DATE 1/Apr 65
Pg.#

		λ	W				300
	time	species	*	dir.	het.	remarks	loc.
70	0900	begin olise	rva	trois			
1	-	Wedgetail	2			hilt	
	0902	or engersa	~ 2				
	0908	shear/petiel				16	
	0909	show/petral	2	W		Z wedgetail sized	
	0915	Wedgetail		W		)	
	0917	Wedgetiil	1	W			
-	0923	Restort (?) Booky		2			
1	0923	wedgetail	1			adult	
	0931	White-tail Tropic	1				
	0934	Newell's 5	,				
	0935	Namello/	1				
		Sooty Shear	3			didn't see undergants but flight right	
*	0937	Sooty Shear	1	81			
	0938.	ten sp	1				
	0439	1 1-Th	1			10. lad fig. 11.	
	0940	Soot She				flushed - tail reddish	
	0945	Comma Noddy	2				
	0946	sooty shear	2	1			
	0947		3	W			
	0949		2	*			
	0 950	Wedgetail	6			4 sitting on water	
	0951	- coze my	1.				
	0955	Scroty Theor	1	NE	yk.		
	1955	Wedgetail	1			sitting	
	2952	Wedge ful Noddy Tem	11			2 ming	
	0959		2	50		470	
		1	./				
	1007	Wagetan	1		1		
	003	Sooty shew	1	NE	1		
	1004	Souty Shew	1	NE			
	1005	Wedgetanl	4			setting	
	1006	5 oots Shew	1	-			
	1006	RFB	1				
	1015	Ble-gray Nodly				small tem, blue gray allover	
	1019	Sooty Tem	4	SE		The same of the sa	
	1022	Sooty Shear	13	NE	1		
6 BH	1025	Pon Jages	1	102		Cight	
-		Sorty Slean	13	NE 4	1		



	ime	species	#	dir.	hgt.	remarks	loc.
		storm pehelsp	1	/		in the sun	
	1030	Wedgetail	1				
	1031	South Shear		~			
1	1035	Sooty Shan	1	1		fined at once	
	1038	Scroty Them	1	0		4.41	
		Soraty Shan	1	1		P <sup>M</sup>	
	1049	Wedgetail	1				
		Sorty Shear	1	8			
		Soots Tem	1				
	1054	bird sp	1			hight have been s Sun or gulf - looked manish	
	1055	Sooty Shows	Z	V		might have been skun or gulf-looked grayist	
	1057	SootsTem	10			instead of brownish, low over water, frequent flags	
		WAAT	30			+ shortglides, larger than Porn jueges	
		Blue-grey Volly	71			Feeling	
		NTB.	1				
	1059	Sooty Shen	3			adult	
	1102	Sorty Shear	1	-		10	
	1005	Sortusta	1	V.			
	1107	Sooty Shen	4				
	1/13	Bulwer's P. Sootly Show	1	~			
	1120	10019	(3	W			
	1123	2 1	1	d			
	1126	Sooty Tern Common Noddy	7			feeding flock, witch reports a fairy term too	
		Welgetail	5				
	1130	Red Foot (?) Booky	2	*		Ad.	
	1172	sooty sheen	2	v			
		Shearwater (2)	1		-	Like wedgetzil in size, shape, Flight but light gray on top	
	1137	wedgetail	1			the filled and light dead on tol	
	1139	Reit	(				
	1141	Redfort Booby Sooty Shem	1	5		Ad.	
		WT (?) Tropic 6 ind	2	4.			
	1148	wedgetzil	1				1
	1300	shear (petrel	1				
	1205	Sooty Shear Wedge tail	1	V			
	1220	+4	7.	-	-	dark phase	
105	1226	Soots Shear Sooty shearworks	1			Sooty shear water id. by capt.	
705		com. Noddy	17	N	50"		

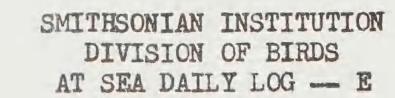
18 h 37m 535 2700 15' 13 2790 281

31

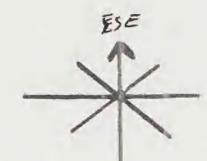
SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG — E

DATE // Apr 65
Pg. # 3

		N	17.3	٠.			
t	ime	species	1	dir.	het.	remarks	loc.
	1235	Sooty Shearw.	1	V			
	1240	10	2	V			
	1245	11	1	~			
	1247	Bulwer's Petrel	1	N			1
1	1252	wedge toil	1				
	1300	Christmas Islay sh.		NW			
-	1302	wedgetzil	1	,,,,			
	1308	Wedgetail	1			1167	
	1312	Cristians				PV	
		Is Shear	1				
	1320	shear/petrel	1				
1		Shear/petrel	1				
			T			dars	
	1505	Wedgetail Shear/petiel					
	1170	ol. comer 7.	1	1		flew similar to Sorty S. but with white underparts	1
	1330	scearwater	1	W		noflags, just arcs + glides on stiff wings. flight directional	
	1341	Common No ddy	2			flight directional	1
	1342	1,	2				
		Wedgeton	1				
			(				
	12/0	Wedgetail	1				
		Noddysp	4			may have been Hawainan Noddies	
	1364	Learn's P.	1				
	1417	Wedgetail	1			intermediate land	
		V	,				100
		Sooty Sheer	/	NE	1		
		Pom, Jaeger	1				
		Leach's P.	1		1		
		BFA	1				1
	1447	Voddy Ten	1				
	1452	Noday Ten	1				
	1524		1	5	-	Flying very direct as if going some where	
	1530		١.	1		large white rump patch. Seemed large	
	1535	500ty -	1	,	1	Precisely the same, brownish on top with lighter 60m wing stripe	i
	1536	Sooty Ten	12	,	1 -	41.	
	1610	St. Petrel	CATI			this one wandering around more as they usually so	
			8012			I teeding flock just beyond where fishermen have set out a long net	
		wedgetail	254	0	1	the Newell were sitting on water on were I wedgetoils	
		Red Foot Booky	4		1	I the jacger seemed to be passing through	
		Pomarine Jaege	12		/	the jaeger seemed to be passing through we are SW of Barber's Point	
207	1615	and the same	5			going to join flock	



DATE 11 A PT 65
Pg. # 4



	time	species	#	dir.	het.	remarks	loc.
	1617	wedgetzil	1				
	1622	Souty Sheyw.	1	~			
	1637	Pomarine Jeeger	1	-	_	light phase good plumage	
	1644	Common Moddy	1	-	_		
		Pom. Joeger	1		_	light phase	
	1647	Sooty Shear w.	3	1		igni priose	
	1648	" Theat w.	7	1			
1	1650				-	2 Pon jager I think same as above	
	1654	Pom. dager	2			pro62614 diggerent 6 irds, there 2	
	1659	sooty Shearn.	1	1			
	1700	Bom. Leeger	1	-	-	light phase	
	1700	com Noddy	1				
	1710	South Tem	1				
	1710	Red Foot B	1			abult	1
	1711	Wadgetail	2				
-	1712		2				
	1713	J	1				
. 2	1717	Pom Jaeges	1			light	
	1718	Frigate	,			diving	
	1731	welgets!	1			occurry)	
-	1732		1	V			
	1735	10m. Izege	1	-	-	light, Follows = 6it	
	1738		5	-	-	Following now, not all together	
	1738	Blackfoot Alb.	1	follow			
	1744					all 5 increase with a	
	1745	Sorty Ten	4			all 5 jacques sit on water one is dark phase	
	1746		1	-	1	8 jaegaro mon	
	1746	Sooty Slean	1	0			
	1750	0 1 20				1	
		soots shear	1				
	~		1		1	20	
		soots Shear	4	1	1		
	1758	Sootsien	25	1			
		Woody Ten	10		1	1 1	
	1802	tom Jaeger	3+		1	feeding Joegoro working over terms prettywell	
	1006	Noday Tem	2		1		1
	1804	Us't was	1 2	ner.	1		
	1805	Nordy Tom	1				
	1807	- 1	1	1			
	1808	Sooty Sheur	13	1			
	1809	Sooty Tem	2		1		
107	1	RFB	5			travelling	
	1			1	1		



time	species	#	dir.	hgt.	remarks				loc.
1812	Hodely Term Janger	35	t-7.						
	Janerine Jacques	10			to clina				
	RFR	14	1		Reeding				
1816	wedgetail Sooty Shear	T	1		Geening				
1817	South Team	,							
1810	Soots Tem Soots Shans	1	and a					-	
1819	NordyTen	1							
1820	stom petd sp	1							
1824	WorddyTem	4							
1825	Wedgetail	1							
1826	Noden	3							
	Wedgetail	2			travelling				
1828	Soots Shear	12	-						
1828		2							
1830	Nordy Tan Wadgetine	15			travelling .				
1831	Leash of	2							
1833		1							
1834	Soots Shear	1	w						
1836		1				5			
1837	Wedgetail	17						7	
	South Ten	1			100	V			
	Noddy Tem	10			feeding				
10 1/0			1						
1843		2							
1846	Noday lem	3							
1848		1							
1849	Norldy Em Sooty Shear	/	1						
1850		4	No.						
	Wedgetail	2			travelling				
1851	Wood by Tern	2			Revelling				
1852	Noddy Tem	5			travelling		1		
1852	RFB	1			ad 1 to	1850 1.	BIFA		
1852	end obser	ta	honis						

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG — E

DATE 12 April 5
Pg. #

species # dir. hgt. remarks loc. time pegin observation 0605 sunrise over Big Island Blacktoot Alb. 0650 1 follow Sooty Ten small, black top, immaculate belly tunderwing Pterodroms 0708 W 0800 Souty Ten Wedgetail 0835 Wedgetail Wedgetail 0838 0847 wedgetal 0845 Wedgetan Wedgetail 0903 Wedge tail 0933 shew/petel 0950 leach o P. 0955 500 5 hear 0956 Souts Tem 0959 Soots Show 1001 Leach 1. going like hell! wedgetail 1008 N 1016 Bulwers 1017 1030 sooty Term 1037 Wedgetall 1041 Bulwen 1141 sooty shearw 1059 1 BFA 1000 1112 Bulwer ?! 1111 Wedgetail 1128 Sooty Term 1131 sooty shearw. N 60 = 3 1150 Leach's St. Pet Louch sp 1219 Scoty shear 1221 Sorty Show NW 1222 5005 Shear NW Learn's P. 1223 NW Tryate 1227

## SMITHSONIAN INSTITUTION DIVISION OF BIRDS AT SEA DAILY LOG — E

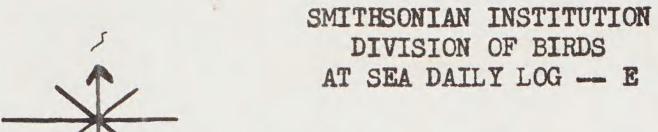
DATE 12 Apr65
Pg. # 2

		No die	hgt. remarks	loc.
time	species	# dir.	IIX L. I CHIGI KS	
1778	sory lem	6		
-	Wary Ten	6	Travelling	
1222	Souty Tem Faring Tem Northy Tem Souty Shear	3 WW		
1233	Souts Tem	3 4000		
1234	Leach of			
1236	Sorta SI	1/1		
1240	Sooty Ten	2 2		
1241	Leach 10 P.	2/0		
1243	Leach of Sooty Shear Sooty Term Leach to P.	1		
	Sooty Shear	IN		
1248				
1251	W -1	100		
1254	sooty shear			
1257		2 N		
1258	Soot Slean	1 N		
1200	Sooty Shear	3 00		
1305			not a three - spread out over a few of	minutes
1309	Sorty Shear		molation of	
1311	Mottled Petrel			
1314	Sooty Shear	11/1		
1316	Soot Shear	1		
1318	Wedgetarl	IN		
1325	Wedgetail	111		
1326	Soots Shear	IMA		
1330	55	10 N	not Place - spread out	
1335	22	1 N=	mor occ - spread our	
1345	55	N		
1346	Wedgetail	IN		
1347		1-11	Ch	
1357	55	4 N.	NW I	
1358	55	1 In	N. M.	
1400	55	2 NW		59
1401	55	1 NW		
1402	SS	2 NW		
1406	Sooty Tern	1 5	the sets	
1425	Redfoot Booby	1 15mg 3ps	ard we band 757-60947 record soft parts	
1434	59 Frigate bird	1/2/		
1438	Transition of the state of the	2 4		

4.6

W

							•
-	ime				hgt.	remarks	loc.
1	14/20	55	4	N			T
	1441	55	1 0	N			
		Sooty Tern	2	5			
1	1444	55		~			
1	1453		1	N			
	1456	55	3	N			
	1457	55	( 6	N			
	1503	55	4	N			
	1510	\$5 55	12	12			
	1512			N			
	1518	55 55	1	N			
	1538	55	4	N			
	1532		(	N			
	1536		2	1			
	1545		3 2	N			
		55		12			
	1553		3	NW			
	1604	55	1	NW			
	1608	Bulwer's P.	1				
	1609	5 5	,	1			
	1610	Wedgetail	1	NW			
1	1610	Sooty Tem	,	NW			
	1611	Wedgetail	1	100			
	1615	55	4	NW			
	1617	55	2	W.			
				1			*
	1620		2	N			
	1630		1	N			
	1633		1	No			
	1640	· · · ·	4	N			
	1641.	Bulwersp	1	N			
-	1644	5 5	2	N			
	1646	55	1	W.			
- "	1650	~ ~	1			. 0	
	1655	55	1	N			
	1700	\$5	2	and N		· · · · ·	
	1707		4	1			
- 4	1711	55	1	10		P	
-6	1715	SS	1	N			
			2	N		45	1 -
5	1720		13	N		spreadont	
	172 (	55	2	8			
	1736	55	4	N		,	
	1740	wedgetzil	7	NW.			
	1744	55	1	N			
	1746	Sooty Terr	1		100		
96	1746	55	3	W N			
	1802	Bulwen P.	1	-	-		



DATE 12 April 1965
Pg. 4

time	species	#	dir.	het.	remarks	loc.
1805	SS sooty tun Bulwern SS SS	25111	222		not = flock	
1817 1820 1827 1830 1836	5 5 5 5 5 5 5 5 5 5	24132				
1846	end obser	va	tin			

a a

\*. -

DATE 13 Apr 65
Pg. #\_\_\_\_\_\_

		1/			
time	species	# dir.	hgt.	remarks	loc.
0715	shear/petel	2		seen by watch	
0730	1 . 0	wations			
0/30	Sorty 5 hear	14N			
0732		INN			
0733	Leads P,	IN			
0740		INN			
0819		1 2			
0820	55	N			
0821	Leach's St. Pet.	I E	2.5		
0835	55	2 N			
0905		2 ~~			
0 907	55	IN			
0913	Bulwer's Petrel	(E	1		
0926	55	1 - N			
0928	1	100		in rainstorm	
0957		1 5W			
1006					
1021	Leach's P	1			
1031	Leach's P.	()			
1032	55	1 NW			
1037	Leach of	IN			
1043	Bulwers	1			
	Pom. Jaeyes	IN		light	
1051	Leach's P.	. 1		0	
1107	shear/petrel	1 2		might be 55	
1115	22	3/N		3.	
1116	55	IVN			
1122	Bulyers P.	1 . 1			
1130	Wedgetail	1 1			
1131	Pom Jaeges				
1140	Pom Jasupi?				
1148		INW	1	24	
1156	55	ITN		No al	
1200	heach's St. let.	100		No.	
1202	wedgetail	1.1			
1207	Leadis St. Pet	2 5	1	26	
1250	5 5	1 1 1			
1308	55	I W			
1316	Bulwers Petro	NE			
1351	Le el h P	2	1		
1354	shanspetel	1,			

DATE 13 Apr 65
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		N. 25-	hat	remarks	loc.
time	species	- all	het	1 culas No	
1407	slew/petrel	/			
1410	Bulwers P	2			
	55	INN	W		
1419	Bulmons P	)			
1420	Wedgelail	)			
1428	SS	IN		000.0	
1508	shear/petre	1		all Lare maybe 55	
1555	1 'I m	1			
1634	No sept	//		very bay	
16 36	1	11/		11 11	
	Reditail Tropic			watch reports	
1647	55 7	IE		lit m water	
1649	Birds	2		water to the original of	
1710	N N			watch reporte - confused, I can't see 'en	
1720				11 11	1
1728		111			
1735	Wedgetund	1			
1740	SS	Lun			
1745		1 1	1		
1796	wedgetain	1/2	,		
128	SS	INA			
1769	Wedgetail	1111	)		
1805	U			1 of	
1	Bulwer's P.			fredat	
18/3	shearpother	/ \ \		for the second s	
18/6	Arid			L te	
7817	shows/petro	, !		seen by watch	
1 1 1		11 N			
18/8		r			
	55	11/1	V,		
		1		De l'ester i mu beats stiffe	E
10/0	Now Zealand 5 hear?	1		summe erge as Wedget cul-tail shorter wing beats stiffe	ast
	1			and the state of t	1
1855	lead does	time		and one are with the	
	end observa			Certain but I believe that were the	
				coverts, knepatil around the age with IFP	,
				Bird fort of shooting ruse are in barbinglight	7
				Brok Ared and Language and	

#### SMITHSONIAN INSTITUTION DIVISION OF BIRDS AT SEA DAILY LOG -- E

DATE 14 HP265

Tropicbing Jan reporti 0600 loc. # dir. het. species seen by Termite wedgetail 0609 overcast, water fairly smooth, not much wind beginobservations Kind of rider our low wave" in air for 2-3 minutes 0619 wedgetzil 0648 wedgetail distant feeding flock Sooty Torn 30t10 Sooty Ten not from the 2600 flock? traveling Wedgetail
Sooty Shearwater 0658 0703 0706 R.T. Tropic bird 0712 0716 0717 wedgetail 0730 sooty Tern 0730 0813 Wedgetail NE BulweisP 0815 Wedgetail Wedgetail don't watch 0819 Lead's P. 0800 0832 56 0837 beach to forther 0836 Lead of wedgetal to R dark Wedgetarl dark 0856 Bulwer's P Level of Wedgetail 0932 Jans black-tipped shork crossed bowatogso theor petrel 0928 Leach of N 0945 55 SS 1 N flight very directional on rapid, continuous vingleats teach of. NE Wedgetan 100 6 Wedgetail 1001 dars 1006 VW 800 that in water-feeds on signif? - pulloct twith bill & backs away with wings a backward full of neck. Leach's P 1013 Bulwer's P

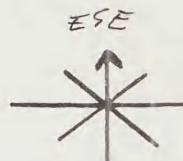
then patters a few times, sits again



## SMITHSONIAN INSTITUTION DIVISION OF BIRDS AT SEA DAILY LOG — E

DATE 14 A/1. 65
Pg.# 2

time species dir het remarks  1020 leads st. let.  1025 sooly sharmsta I NI  1035 leads st. let. I  1036 s. s. 1046 wedgetail I SE Jark phase  1120 wedgetail I SE Jark phase  1120 wedgetail I SE Jark phase  1120 wedgetail I Jark phase  1130 Bulnerio Petrel I  1247 SS  1254 Bulnerio P  1300 Bulnerio P  1300 Bulnerio P  1312 SS  1314 SS  1318 Leads of I NI  1318 Le	loc.
Perhaps we stir up squid to surtace  1035 Leadi's St. Id. 1  1036 S. 5.  1046 Wedgetail 1 SE Jak phase  1052 SS  1114 Wedgetail 1 SE Jak phase  1120 Wedgetail 1 Jak phase  1150 Balmir Petrel 1  1150 Leadi's St. Ideal 4 Jak integrated  1247 SS  1254 Bulveris P 1  1303 Shear patril (  1308 Leach of 4  1312 SS  1314 SS	
1035 sofy theoretical line sight  1036 s. 5.  1046 Wedgetail line with phase  1055 ss  1114 Wedgetail line with phase  1120 Wedgetail line probably still one of same one  1120 Wedgetail line probably still one of same one  1120 Wedgetail line with phase  1120 Wedgetail line with phase  1120 Bulmir Petrel line  1150 Coadis St. Petrel 4  1150 Leadis St. Petrel 4  11247 SS  11254 Bulmeris P I  1300 Bulmeris P I  1308 Leadifold I  1308 Submeris P I  1319 SS  1314 SS	
1036 S.S. 1046 Wedgetail 1052 SS 1055 SS 1114 Wedgetail 1120 Wedgetail 1120 Leach's St. lot 11150 Bulmin Petrel 1150 Leadis St. letrel 11247 SS 1254 Bulneris P 1300 Bulmeris P 1312 SS 1314 SS 1314 SS	
1096 Wedgetail I & W — dark phase 1052 55 1114 Wedgetail I SE — light phase 1120 Wedgetail I SE — probably still one of same one 1121 Wedgetail I Dark phase 1122 Wedgetail I mulight one light one lark integrated 1150 Loadis & Robert of I all tagether 1237 Wedgetail I dark 1247 55 1254 Bulverio P I I I I I I I I I I I I I I I I I I	
1052 55 1055 55 111-1 Wedgetsil 1 5E light phase 1120 Wedgetsil 1	
111-1 Wedgetail   SE   light phase 1120 Wedgetail   Jark phase 1120 Leach's St. let 1120 Wedgetail   Probably still one of same one 1121 Wedgetail   one light one lark integrated 1150 Leach's St. lettel   all tagether 1231 Wedgetail   1244 Buhrer's P   1300 Buhrer's P   1303 Chear potal   1308 Leach's P   4 1312 SS 2 N 1314 SS 1 N	
1126 Wedgetail 1120 Leach's St. Pot 1122 Wedgetail 1150 Bulmir Petrel 1150 Leach's St. Potrel 1150 Leach's St. Potrel 11244 Bulmer's P 1247 SS 1254 Bulmer's P 1300 Bulmer's P 1308 Leach 's P 1308 Leach 's P 1312 SS 1314 SS	
11 20 Leach's St. let 11 70 Bulwir Petrel 1 11 50 Leach's St. letrel 4 11 237 Wedgetail 1 1244 Bulwer's P 1254 Bulwer's P 1300 Bulwer's P 1308 Leach of 4 1318 SS 1314 SS	
1150 Lead's St. Petrel 4 1231 Wedgetail 1 1244 Buhrer's P 1 1254 Buhrer's P 1 1300 Buhrer's P 1 1308 Learly petro 1 1312 55 1314 55	
1150 Lead's St. Petrel 4 1231 Wedgetail 1 1244 Buhrer's P 1 1254 Buhrer's P 1 1300 Buhrer's P 1 1308 Learly petro 1 1312 55 1314 55	
1150 Lead's St. Petrel 4 1231 Wedgetail 1 1244 Buhrer's P 1 1254 Buhrer's P 1 1300 Buhrer's P 1 1308 Learly petro 1 1312 55 1314 55	
1237 Wedgetail 1 1244 Bulvers P 1 1300 Bulvers P 1 1303 Shear / potel 1 1308 Learly of 4 1310 Bulvers P 1 1317 55 2 N	
1244 Bulver's P 1 1254 Bulver's P 1 1300 Bulvers P 1 1308 Learly of 4 1310 Bulver's P 1 1312 55 2 N 1314 55	
1247 55 1254 Bulvers P 1 1300 Bulvers P 1 1308 Learly to P 4 1310 Bulvers P 1 1312 55 2 N 1314 55	
1254 Bulver's 9 1 1300 Bulver's P 1 1308 Leach 's P 4 1310 Bulver's P 1 1312 55 2 N 1314 55	
1300 Bulwers P 1 1303 Shear/petel ( 1308 Leach 10P 4 1310 Bulwers P 1 1312 55 2 N 1314 55 1 N	
1303 : chear / yethol ( 1308 Learly 's P 4 1310 Bulveris P 1 1312 55 2 N 1314 55	
1308 Leach 's P 4 1310 Buhver's P 1 1312 55 2 N 1314 55	1
1310 Bulverio P 1 1312 55 2 N 1314 55 1 N	
1312 55 1314 55	
1312 55 1314 55 1 11	
13/7 55	
1318 Lead of	
1320 85	
1321 Bulmerio P 2	
1330 55 2	
1339 Bulwer's P. ]	
1342 Bulwers P 1 N	
1345 Soots Tem 5	
Wedgetail 4 feeding	
12.11 dans	
1346 55	
1400 wedgetall 1 - Jark	
1402 Bulwer's Petrol ( NE)	
1420 21 1 010	
1421 Sooty Term 3 Sw	
1449 - 1 21 1	1
1515 Sooty Shearwater 3 N 1516 Bulmen Petrol 3	
1517 Leach's St. Pet. 1	
1549 Bulmer	



#### SMITHSONIAN INSTITUTION DIVISION OF BIRDS AT SEA DAILY LOG — E

DATE 14 Apr 65
Pg.# 3

time	species	# dir.	het.	remarks	loc.
1615	55	24N			
1617	Pom Jaeger!	1			
1823		1		alldas	
1824		IN			
1.430	Souty Ten Wedgetuil	12		feeding	
1833				dark	
-1835	Soots Tem	3			
1640	shear/petiet	1			+
1641	BulweisP	1/1			
1853	Wedgetail	2 N		dans	
	Bulwer's P	1 75			
1955	55	22			
1659	55	112			
1859	Bulwers P.	1 58			
1806	1 . 6 . 0	1 858		dork	
1309	1	1			
1715	Learl's P.	1			
1710	2	1515		feeding Flock Wedgies seemed all Dark phase	
1743				George saw "ahi" jump under it	
1745		1/2		. 2	
1746	Wedgetzil		-	) ark phase	
1750	Leach's Petrel Bulwer's Petrel	2		7	
1808	Sooty Shearwater Wedgetail M	17			1
1819	Sooty Shenwater			seen by watch (Termite)	
1831	155	1 W.			
1840	close observ	otions -	<u> </u>	sundown	
			1		
					276
					230

0 2200

DATE 15 Apr 65
Pg.#\_\_\_\_

ime	species	# dir.	gt. remarks	loc.
	1	,		
	begin observa	unp		
2608	Leadis P			
0615	Shear / petrel	2	sear by watch	
0618	rs	20		
0625	Learlis?			
0648	Blue-Bacad Booky			
	Pomarine Taeges		Subadult	
0655	Tomarine laege		all light	
065<	55 Bulwers p	INW	0	
67-2	Table 10.	11		
6703	22	2 NW		
0715	Newells 5.	5 NE		
		5 NE	formed travelling in a widely sca	Clared group - I was
0/26	shear/petiel	1	Newell's for some, other 4	too for to be certain but
0730	55	INW	Probable.	
		1		
130	shear/ seties	7 N	white underparts. trave	elling flore - too far
17.	7 -		to tale the sum	
0753	55	INW	to tell anything wor	
0809	55	1 1		
		ZWNW		
0809	1	2	4	
0810	Birds	2 -	- far horizon	
0811	Leach's St. Pet.	1	1 0 · 1/2 / 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1	
0820	sooty Ten	75 = 25 }		ung underneath
	Wedgetoil	10+5)	Termite says were skipjack	
0837	Sooty Tem	11 /		
0837	wedgetzi)		1.14	
0840	Sooty Shearwate	NNW	light ph.	
0850	sooty term	1 1		
	wegetails	25 #5 N ]	moving more than Feeding,	perhaps not feeding at all
0855	Leach's St. Petrel		may have been more wedgetzil	s and the last of
0902	Wedgetzil	115-	- dark ph.	XI P
0945	Souty Shearwater	IVN		W = 8
0958	5'5	INW		~
1030	Lach's P			. 4
1031	Lead's P	1 NW		1.7
1038	SootyTern	18		
	Wedgetail		dark 111	
	Pom Jaeger	1	fed then spread	
1052	SC		light	
	22	1+NW		
1055	55	1 NW		
1108	Wedgetail		dark	
1125	South Tem	14		36

# SMITHSONIAN INSTITUTION DIVISION OF BIRDS AT SEA DAILY LOG — E

DATE 15 Apr 65
Pg. # 2

ime	species	# dira	het.	remarks	loc.
				0:01	
11//_	Wodgetail	2 NW 1 NW		flying with Wadgelails	
1145	CXT				
	Sooty Tern Sooty Torn	2			
1150	1	)		Termite says he saw "skuz-like" bird with white patch on	
	probably larger	1 on wat	1	head ?? Imm tout ?? I didn't see it.	
1305	Sooty Shearwater	2 NW			
	Sooty Term ?)			in extreme distance (could be flock)	
	sooty Term		)	high, scottered, hunting Flock	
	1 . 10 / . 1	6			
1310	W.T. Tropicbird		1	closer, compact group 5 dark, I light	
				N. N. K. M. L.	
1318	Sooty Tern	354)		teeding flock, wedgetails light in water	
	Wedgetail	11 >		skipjack jumping	
1332	Sooty Tern	20 110			
	Wedgetzil	5 \$ 5		Feeling (?) Flock in distance - probably all dans	
1347	Leach's St. Pet.	2			
1350	Sooty Term	3. 7		feeding (?)	
	Wedgetzil	23		pubully all dans	
1402	1	1			
1430	Christmas IS	11			
1450	shear/petal				
1452	slen/petre				
1610	i segen		low		
1613	Sooty term	6 SE		moving steadily	
1620	7	6 16	high		
				school at least 12 porpoises, short, very thick, black	
1628	1	IN		blust-nosed looking on they breech. They don't come close.	
1630	Leach's St. Petro		-		1
1656	Sooty Shearwate				1
1747	Soots Ten			6	1.5
4	wedgetail	47		don't b. p.	11
	Newell's S	. 1		doir feeding	11
1755	55	Y			1
1808	Theur/petrel	IN		might have been mottled Petrel	
1820	1 22	INN		I the schi subtract I che	
1828	shear/petel	/ ww			
1830	Cearly Petel	11 -			1-
11000	studous	relan	4		

29.9

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG — E

DATE 16 April 5
Pg.#

loc. # dir. hgt. remarks species time 0555 apparent sunrise - clear, smooth day 0602 R.T. Tropichird NW took off from water Leach's St. Pet. " in at one of those surface calm zones NW Wedgetzil 0631 light phase W 0639 Sooty Term SE seen by watch Wedgetail 0645 随めい light 0648 Shear Petrel distant 0654 Leach's St. Pet. Sooty Term 0704 5 wedgetail 0709 light Sooty Tern 5 Sooty Term wedge tail seen by wortch 0802 Souty less all black - large, slow love wringheats shows/pctrd 0808 tern sp. 0822 22 0930 Lead's P 0940 1000 Pour Tagger NW light wedge tail 1008 Scoty Tern 30±10. Wedgetzil 10±5 1030 feeding flock about 2 mi oway Booky Fairy Tern 1 one white today 1039 Tropic bird distant 1040 Pom. Laeger ON SE? Bulwer Petrol 1 1101 feeding flock 23 ±3 Sooty Term 1120 Common Noddy one wedgetail dark phase Wedgetzil 1133 Leach's St. Pet. Sooty Tern 1134 E 1155 Lead's St. Petrel shew/petrel 1201 sitting on water - alldars 1204 Sooty Shear 2 NW 1217 + N 35 2 NW 1227 sitting on water 31 1240 94 Sooty Tem 33 65 t5 feeding flors Wedgetail 20 ±2 398 Scoty Shear xus w

AT SEA DAILY LOG - E

DATE 16 April 2

				,			
	ime	species	#	dir.	het.	remarks	loc.
		shear/petres	1				
		Ceach of	1				
/		4	15	t2			
1		shear / netral	3+			beeding flushed in group light	
	1251	Levelia P	3			Knohed in group	
	1253	Wodystarl	3	111		light	
1	1253	Sort Tom	4.	NW			
	1254	55	5	1			
	1256	SootsTem	2	NW			
	1300	55 Sooty Tem		/			
	1312	SootyTem	1-5	N			
		Wedgetenl	1			Qualit 1 1	
		For Toeger	1			light feeding	
	315	Soots Tem	1				
	-13		12			fealing.	
		Frigate	/			Aved at 5 times - but sightly once directly	
	1325	22	1			fredat 5 twes - but sightly once directly werhead about of	
	1370	55	1, =	/			
11		Buluer's P	1			5 da by Temite	
>		5 oots Tem	19			troubling	
	1352	Wodgetail	1			light-fried at Z-time scared him pretty bad.	
	1353	Bulmer's P	)				
	1357	hird	1	1		seen by Termite	
	1400	55	10	NW		small, terr or Bulwers	
	1401	Evedydan	1		1	fried at 5 times	
	1402	Dulwers P	1			Dode as simes	
	1405	Wedgetan	1				
	1406	Leach's P	/	NW			
	1407	55	11,	Int.		N W	
	1410	55	1	NW		12	
	1420	Sooty Tern	2	5	1		
	1428	Leach's St. Pet.	1				
	1444	Sooty Tem	11	E			
		Wedgetzil	12	1	1	flock loose not observed to actually feed	
		Leach's	1			flock loose not observed to oction /	
	1302		11	W		light	

DATE 16 Apr 65
Pg.# 3

time species	# dir	hgt, remarks	loc
1509 Leach'SP	THE RESERVE TO SHARE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED	water	
1510 Sooty Ter	2		
1511 Mottled Petr	dIN	pretty Fair look, quite	gray top, wings larken
///		Belly white but I ha	e gray top, wings darken of impression of dark men For removentral
1528 Sooty Ten	2 1 5		
1530 Tem (		far horizon	
1534 Leach's St. P.	t. 2 mws		
1542 Bulwer's P.			
1546 Wedgetsil	111-	dark ph.	
		100/2	
1547 Wedget Si 1555 Shens/ Retre	7		
Fairy ler	7 /	thavelling	
1603 Pom Jaege			
11 miles	*/	hight one flux	hed
1604 Wedgetar		light	
1605 Leach of			
1610 brid			
/7		setting in water	1/2 min + from ships
1611 Leach lot	1		
1614 Frigate			
1615 Pom Jacque			
1619 55	- 4	light	
	I NI		
1620 Learlis P 1620 brid	11		. 4
The same of the sa	11		6
0000	7 11		· · ·
1630 Breners P			
7 Part Ten			
om Jaeger Wedgeta		Leeding	
shew set	el		1
11 1 1 1	11. 1		
			n - 5
1638 Balwers 1			N
1645 Soots Ter	1 2 5		
1650 55	1/12		8
1655 55	y N		
1656 hird	1		
1657 Level's	P		
1658 Pom Jae	1110		
	gen 1 N	light	
120			
1112 155	2 N		shark surfaces near Hydro activity
1740	10		11

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG — E

DATE 6 Apr 65
Pg. # 4



			· ·	
time species	# dir. het.	remarks		loc.
1810 SootsTem Wedgeton 1817 Newerlss 1873 Learlis P	6 2 1	feeding	1812 needlefish about 8"flust + Flew For a few feet.	Led
1825 Sorty Tom 1830 Bulwern 1831		Sunset		

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG — E

DATE 17 Apr 65
Pg. # 1

time species # dir. hgt. remarks loc. 05 45 Walystail before surrice 0542 Bagin observations 0626 shear/petrel white underparts - large 0630 Level's D 0635 Wedgetand 0637 Bulwer's P 0640 Soots Tem 0642 Wedgetail Wedgetuil SoutsTen tem speither Noddy or imm Souty 0702 Bulwer's P 0708 Bulweis P Wedgetard shear/petel 0748 SootyTen 0813 Sooty Tern moving directly Sooty Term 0825 Frigate bird Sooty Shearwald 1 0828 0836 Sidy Term SW Sooty Term 1001 Wedgetzil Rate Phalarque 12' NNE 1010 Bulwers P 1020 Fany Tem 1040 WITB 1042 Soots Tem 1044 55 Bulvers P Wedgetail 1111 fight Bulwer's P 188 1116 Leuch to Petrel 112/ 85 100 IZ5 Soot Tem shear petiel 15 ± 10 28 20 83 1150 Sooty Ten Fary Term feeding show petret

DATE 17 Apr 65
Pg. # 2

time	species	# dir. het.	remarks	loc.
Noon	Sooty Tern	50215	feeding flock	
	Wedgetail Shear.	3 12 45		
1203	Sooty Ten	2		
	Leach's St. Petrel	4	1.4 + 121. 2006	
	Shear./Petrel	2 0	distant, high arcs	
1318	Sooty Term	10=2 }	circling flock, not actually observed to pull close	
	Wedgetzil	441 )	to feed	
1324			April 1	
1345	shear petres soots Tem	3	seen by coth watel,	
1402	55	7/11		
1412	Thear/petiel	2 2/10 00		
1420	shear/peted	1 NW	3 destart might have been 55	
1440	Frigate	A		
1449	Frigate Mottled P.	11 N	seen quito clearly-arcinglight humpbacked	
1500	Soots Ten	35 ± 10	and John Control of the state o	
	Noddy Term	13 E2		
	Fain Tem	15 \$5	feeding	
	Newell's S.	2		
1510	1			
1515		75 ±25	D- D	1
1.00	Thear/petiel	25 t10	feeding in distance	
1525	1	75 t25		
	Shear Petrel	1	foeding	
1528	Bulweisp		Nº 3	
1529	mottled p	1 N	N of	
1530	temass	IN	good look	
1531	SS	WN		
12/533	Soots Tem	60 ±5	1.11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
1-7	Wedgetail	20	high then dropped to feed	
1536	Leuch's P	1	near flore	
1543		1 NW		
154		7		
1555	55	1		
	13			1

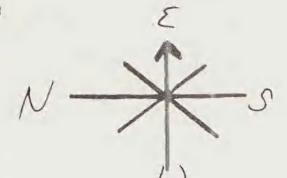
time	species	#	dir.	het.	remarks	1
1600	Sooty Shearwater shearwti/Petrel	1	1			
1610	Leach's P	20				
	Bulwer's P	3			no feeding activity noted flock fairly tight	
					go of anecrotally - looked like then	
					Vin shot I leach to Petiel 1615 - Started things sean.	
					just after the flock-maybe it was a storm dance they	
					were performing # 05/8 /9°48'N 154°00' W 85x3	
16 27	sooty Tern	3			2/2×2	
1640	RT Tropic bird Newell's Shearwate	12			tistent, diver et timer	
1650	Wadgetzil	1	2		- light	l
1	Bulmeri Pet.	1			1.	
1653	wedgetzi(	2		-	light	
1705	Bulwer's Petral Bulwer's	1				ı
1720	Sooty Tern	13	w			I
1721	Leach's st. Petro	1	S		skimming, water walking	1
1729	Leach's s. P.	1				١
1805		2			light	1
1812	Bulwers P				3 seen by watch	1
1830	Learn's P	1				1
1835		ď	Î	-		1
1023	endo	920	wa	an		1
			1			1
		1				
1						
		1				
				1		
1			1			
1		1				

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG — E

DATE 18 April 5 Eastern
Pg. # 1

de .	imo	species	# dir. h	gt. r	emarks	loc.
The same of the last of the la			, 4160,000		ear by watch	
0	530	BFA ca66it				
				la	rge, white seen by watch	
0	0557	begin obse	rvations.		sun apparently already up	
0	0615	wledgetz:1	2 5W -			
		Bulwer's Pet.	7	1	ight	
0		Sooty Toms				
		N +	2 W S	T	traveling	
0	1	Shear/Petrel		ligh	hot.	
				1	istant	
	1	Sooty Tern	1 W-		ight	
		wedgetzil (2)?	1 =	1.		
	0638	Ten	2	di		
1		Mottles (8) Petrol			ist.	
	0652	Bulwer's Petrol	1 7	- ler	mite sees + identifies, I don't.	
		Soly Shearw.			the state of	
	0745	1			seen by watch	
		Mottled Petrel	GE -	8	Saw this one well	
	0815	Soots Ton				
	0 1	shear/petrel	,		41"	
	A rel					
lo lo	20	Newell's 5				
	918C	SootsTem				
	3817	shear/petel				
	0830	Wedgetail				
		shear/petal		1	light	
1		A A	1 NW	1		
	0915	Wedgetail	1		int	
	0925	Jaegersp	1		To all tiled - sice light phase will	
	0932	,		P	grey back + wrige, white need + black cap.	
	0.27	Temsp	I all du	2	grey back + wrings, white need	
	0945	600110		O.	Tail medin long, slender central rectrices	
	, ,	Leach's P			protuding 4"+ all white underparts	
					promot y 4 To	
					flushed from water.	
	1013	Leach's St. Pet.	2	1		
	1024	Blackfoot Alb.	1 Follow			
	1700	Blackfoot Alb.	2		ZNOW	1
	1101	Wedgetsil	VN			
	1110	Sooty Shearwater	XN			
	1140	Laysan Albatross	ILE		17,5 0251	
	1230	SS			1315 2BFA + 1 Laysun	
	1		YN		1330 IREA C. O. H.	1
	1258	7.7	LN		1330 1 BFA caught + banded#757-60943	
					226 (	
					23°30′N 154°00′W	
					1. 01 Dall Da Date	
					1345 2 PT a completely black rump.	
	1420	Phalarope	1 5 ?		1345 3 BFAS now sitting wear ship	
	1515	Shew Petrel			1: A	
	1612				and the second s	
		The state of the	1 N		very close - maybe flushed	

DATE 18 Apr65
Pg. # 2



time	species		dir.	het.	remarks	1
625	Sooty Tem			ING. Y. S.		
	shear/petral	15	±10		feeding at a distance	
650	Pom Jaegar	1	6)		light with promient rectinies	
655	mottled P.	1			1700 MSTS Ship Passed at 8 miles - impossible	
710	SoutsTCm	2			1700 MSTS Ship passed at 8 miles - impossible to see albertross at that distance	
	Jaeger 27		/		Jaeger chasing Terrs of Adown saround	
	_55	1	NEE			
	Leach's P.	1,	61 0			
1725	1	1	NIE		1730 / BFA	
1800	0	1	NE			
	Sooty Tern?	4	N	>	Flock moving	١
10	Shear/Petrel 5	- 00		3		
1804	Sooty Shearwater Newell's Shearw.	1 8	NW		716	1
1815	Leach's St. Pet.	(	)			1
1816	Souty shearwate	12	~		whale ?	1
1818	Sooty shear w.		V			١
1818	Sooty Ten	3	W			1
		-	-	-	1838 hrs. 4 BFA	1
1840	CEAS	1	07	20-	RVATIONS	
			1	120	VA 110WS	
	SUN	-	EX7	ING	UISHED!	
		1				
		or an annual section				
		1				
				1		
	-		1			
		1				

DATE 19 Apr65
Pg. #\_\_\_\_

time	species	# d	irel	igt.	remarks	loc.
0522	begin obs	ewa	trans			
0537	BFA	1				
0543	1	/				
0600	term ep leach's Petrol	1				
0630	jæger sp.				• 44 /	
		2	NW		small type jaegers greybrown above - whiteh	
			1		below - did not have the fine plumage of the	
					bird of the 18th, nor langthy central rectines	
0730	Fairto				0650 2 BFA	1
0750	trigate	2				
0817	Leach's St. Pet	/				
	Wedgetail		5W		Jark	
	Leach's st. let.	11			watch reports	
		1	5w			
	1	11	W			1
	Leach's St. Pet.	11			0830 3BFA	
0907	Leach's	11			0000000	
	Leach's Sooty Shearwater	1	/			
1033	Leach op					
1050	1 .	1				
1055	Frigate	1			loved like small + ypl - fairly far	
1100	Layson A.	,				dea
1105		2				
1150	Lead 10 P		11/1	0.1	1 collected by King # 05/9	
	July 1	1	1000	204	constant flapping, flight directional flying	u
					Constant flapping, blight directional flying higher than mormal	
Ø1201	Leach's St. Pet.	11	1			NW
1717	Sooty Shearwater	1				W.
1748	Gr. Frigatebird	2	circle	4 mi.	1 Ad. 9, 1 Imm. 9	
1305	Pom. Jæger	1	-		+ observed persistantly chasing, even occasionally seeming to sack	
			1		62ck of the Imm. & Frigate mentioned above 20-50' above water	
1359	Sooty shear water	11	/		as they go around + round. Useger's tail spend out full.	
	South Term	1 1	1/1			
	Souty Shear	1 . 1/	NW		1400-1600 OBFA	
1457	RTTB		NW	1	Hershod - pinkrah	
1577	Souty Term	10		1		

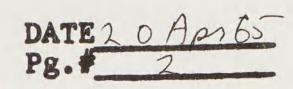
SI-MNH-958e 7-28-64 SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG — E

DATE 19 14 PAGE -

Newell's shear. I sw — Geoutiful, Gright white belly  Leach's St. Pet. I  10 Brm Taeger I  1625   BFA Dark rump  1800 Z BFA  Nearly WedgeTailed size - dark upperparts  dark brown upper breast, lower breast	e species 54 Rom Ja 9 55		remarks	
1625 1 BF A sork rump 1825 Heralds 8?  Nearly Wedgetailed size - dark upperparts  dark brown upper breast, lower breast abdorren white underwing had white  aboren white underwing had white  along center, onter edge dark of wrestam  thickness, flew close by bow on findy  stiff wrings- fixed thrice but mo luck,  almost came back again but wheeled	50 Newell's s 58 Leach's st	hear. 1 5 W _		
Nearly Wedgetailed size - dans upperparts  dans brown uppor breast, lower breast to abdover white underwing had white above center, onter edge dans of uncertain thinkness. Flew close by bow on fairly etiff wrings-fired thriese but mo luck, almost came back again but wheeled			11/2/ 1 2/1	
1830 and observations abdorrer white underwing had white along center, onter edge dark of uncertain thickness. Flew close by bow on finely stiff wrings-fired thries but mo here?, almost come back again but wheeled	1825 Heralds	P? 1	nearly Wedgetuiled size - dark upperparts	
	1830 and ol	Benation	abdoner white underwing had white along center, onter edge dark of uncertain thinkness. flew close by bow on fairly stiff wrings-fired thrice but mo here. almost come back again but wheeled	

DATE 20 Apr 65
Pg. # \_\_\_\_\_

time	species	# dir.	hgt.	remarks	lo
Line	Species	-	1		
0536	begin ob. Blackfoot Albatron,	1	· S	first observed	
0722	Sooty Shearwater Sooty Shearwater Bulmers P Bulmers P	( NW		seen by watch	
0835	55 tropiling up	INW		seen by capt	
5937 5945 5948	Bulwer's P Scrotz Terr Ceach's P	2/2			
	Wedgetzil Sooty Tem	2 -	very	-light	
	Hern sp Wadgefail Souty Shen	1/2		small, light grey-white-not Fainy Ten-being chased by Jaeges by Jaeges by flecting	
1205	tropiclish 55 Newell's S	11404		seen by capt	
1331	Fragate 55	1 NW			
1357	Sooly Shoarwste	INW		blackish back, all white underparts fast, () high arcs -	
1427 1432 1433	Sooty Sterrut	er (		1500 1 BFA 10	
145.0		1 SW 2 NU			
1642	SS Leach of	1100	N		1





ime	species	#	dir.	het.	remarks	loc.
1705	10,010			The state of the s		
1701	Leach's P Kermadec P Bird of Buluers, B Leach's St. Pet. Leach's St. Pet.	1				
9 100	nemadec !	1	N		durkphase	
1712	bud of	1				
1728	Bulvers, 8	1				
733	Leach's St. Pet.	1				
1809	Leach's St. Pet	1				
1830					- sun down. Observations suspended till reappearance	
			S AND SECOND			
			non-section of the section of the se			
		of the same of the	Daniel Banner, Co.			
		ACTIVIDATE OF THE PARTY OF THE				
		THE PERSON NAMED IN				
		STATE STATE OF THE PERSON NAMED IN COLUMN NAME				-
	Towns and the second se					
		-				
		1		1		

DATE 21 Apr65
Pg. #\_\_\_\_

$\epsilon$	-W	Pg.#	
time species	# dir. het	t. remarks	loc.
THE SPECIAL SP			
0535 begin obse			
0552 Wedgetan		1.1.	
0630 Sooth Stream	2 XW	light	
063/ shear/petral	1 1 1/11	- white underparts - wedgetail sized	
0640 Soots Shear	1-NW	and the same of	
0658 Newell's S. 0659 Arctic Term	INW		
0712 Leach's P	NIN	red bill, light grey mantle black caps	
0714 Leach lop			
07/6 Wedgetant	2	light	
0725 Wedgetail		light	
0735 Cenilisp	1	my ,	-
0745 temsp?	1	seen by watch might have been Arctic Ten	
0747 Juan Fernande Petrel	5115		
0755 Soots Tem	1 NW		
0502 shew/petel	2		
0810 Shear Petrel			
0834 Newell's Shearw	0 1 5		
0837 Sooty Terr wedgetzil	14 7	feeding flock	
0838 Sooty Tem	3 S		
0843 500ty Term	ilw		
0902 shear/ Petrel			
0950 wedgetzil	INW		
1036 Soots Ter			
1232 Sooty Tens	2 (		
1420 Soots Shea	~ / NW		
16 50 Shear. / Petrel	INW -	- Far distant propably sooty shen	
1653 Sooty? Shear		1. 1.	
1702 Sooty Term 1703 Pomarine Hacq	4 0a		
1721 Leach's St. Pe	t. I onwater		
1732 shear petres		may have been dank phase Kermadac P.	
1734 Newell's			
1736 Bulvers Pates	11		
1753 shew petre	7, 2		2 *
1818 Meur/ Polie	4 2	distant 1820 1500 to Kon 1822 and also	waling

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### SMITHSONIAN INSTITUTION DIVISION OF BIRDS AT SEA DAILY LOG — E

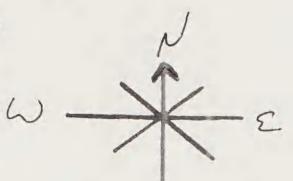
DATE 22 Apr 65
Pg. # \_\_\_\_\_

	/	1		Pg. #
	الما	Nw		
time		# dir	hgt.	
0400	Newells Shear	1 -	-	- seen by watch (termite) in lights
0538	begin ob	ervati	alis .	
0538	sooty Tem	2		
	Joan Fernandez	IN		white undertail coverts plain SUNUP ABOUT NOW
0620	sooty shearwater	2 NW		
0658	Bird	1 -	-	seen by Termite white petrellike, light gray on top with
0830	55	1		thin black edge on upper side or wings. Wegetail size.
0856	JFP	1		gull sp?
0854	S S Shearwater/Petrol			
1109	Leach's St. let	1 1		distant
1111	Leach's St Pet	5 7		not observed to feel but may've been
	Bulwer's Petrel Leach's St. Pet.	2 5		
1112	Leach's St. Pet.	1		
1117	bulwer's Petrel	1		
	Sooty Terr			
1324	Bho-fuced Book	1		1-2 la- locathon in
1334	shear/petiel	1		otterwise adult plumes a upper wings-
	Soutstern	A .		otherwise adult plumage alldark-flying very fast- seen by Howard
	Faing Torn	20 12		
		,		feeding to ental and land little below
	Jaeger Blue Fored Bah			feeding rectnices pointed greyish-durenchere lighten below most likely same as 1324 memadiate phase
	Due aren son			memadiate phase
1400	SootyTen	10/12		
				travelling
	vadgetails tem as	4		
177	tem sp	MANIN		might have been Noddy
	Sooty Shearwater			
1116	Blue-faced Broby	1		different subsdull. Much dark plan back, head, tail
1536	Leach's St. Pet	1		Lighteent subsdult. Much Jark plan back, head, tail follow till 1516 (chased couple thing fish) finally lights on water
1558	Leach's St. Pet.	i		
	55	4 NW		
	Tropictud	1		
1637	55	4/1	-	
	Dard rungede			wen 1 81 - 92 · 0
1655	shear/Retiel	1		very dand back fairly pronounced black edges to
	Bulwer's P	11		Ludenny
1715	Wedgetal	1 N		dank
1815	-			C. N. David
				sandown agit

DATE 23 Apr 65
Pg. # 1

0546 Servin observations 0590 Servin observations 0590 Servin Street 0590 Servin Street 0590 Servin Street 0590 Servin Street 0591 Servin Street 0	time	species	# dir.	het.	remarks	loc.
0545 Legar observations 0510 J. F. P. D. J. 0557 Sept. Sheen 0727 J. F. P. 0722 J. F. P. 0722 J. F. P. 0723 J. F. Retrel 0729 about/2 J. F. 0724 J. F. Retrel 0729 about/2 J. F. 0724 J. F. Retrel 0729 about/2 J. F. 0739 abo						
0610 Jim Tomody & 1 0610 Jim Tomody & 1 0610 Jim Tomody & 1 0617 Jim Tomody & 1 0727 Jim Tomody & 1 0728 Jim Tomody & 1 0729 Jim Tomody & 1 0720 Jim Jim You & 1 0720 Jim		1	b. to			
0657 Sorty Steers 1 NW 0658 Learly of 1 0724 JFP 0722 JFP 0722 JFP 0722 JFP 1 0729 sheers/patel 1 0739 sheers/patel 1 0817 Learly St. 18 ld 1 0817 Learly St. 18 ld 1 0817 Learly St. 18 ld 1 0819 J.F. Petrol 2 0812 Learly St. 18 ld 1 0819 Blacina Borly 1 0813 Learly St. 18 ld 1 0813 Blacina Borly 1 0813 Blacina Borly 1 0814 J.F. Petrol 1 1004 Sorty Steerwood 1 1004 Sorty Steerwood 1 1010 Steerwood 1 1010 Sorty Steerwood 1 1010 Sorty Steerwood 1 1010 Steerwood 1 1010 Sorty Steerwood 1 1010 Steerwood 1 1010 Sorty Steerwood 1 1010 Steerwood 1 1010 Steerwood 1 1010 Steerwood 1 101	1.	//	M I	1		
0657 Signt, Shear 1 NW 0658 Learly of 1 0717 JFP 0712 JFP 0712 JFP 0729 Shear/pold   0739 JF Potrel   0817 Learly 51 Pd   0817 Learly 51 Pd   0817 Learly 51 Pd   0818 Learly 51 Pd   0819 JF Potrel   0819 JF Potrel   0819 Learly 51 Pd   0810 Sooty 5 Learly 1 0910 Sooty 5 Learly 1 0910 Sooty 5 Learly 1 0100 Sooty 5 Learly 1 0100 Sooty 5 Learly 1 0100 Learly 61   0100 Sooty 5 Learly 1 0100 Learly 61   0	06/0	JEP manday!	11/		rally loosing body plumage Rattus sp.	
1558   Learly   1   1   1   1   1   1   1   1   1			INW			
0724 JFP  0729 Shen/path    0729 Shen/path    0737 JF Petrel    0817 Leach's St. Pet    0817 Leach's St. Pet    0818 Jink's Pet    0819 Jir Petrel    0819 Jir Petrel    0810 Jir Petrel    0810 Jir Petrel    0810 Jir Petrel    0811 Jir Petrel    0812 Leach's St. Pet    0813 Leach's St. Pet    0814 Jir Petrel    0815 Leach's St. Petrol    0917 Blandar Bally    0918 Jir Petrol    1004 Sody (3) Leacusta   NW  1010 Soots Skept    1025 Soots Jean    1035 Leach of    1045 alean petrol    1047 Cleopetrol    1058 alean petrol    1071 Cleopetrol    1072 RTTB    1146 cleon/petrol    1107 RTTB    1146 cleon/petrol    1107 RTTB    1146 cleon/petrol    1158 Sooty Jean    1072 Sooty Jean    1073 Sooty Jean    1074 Sooty Jean    1075 Sooty Jean    1075 Sooty Jean    1076 Sooty Jean    1077 RTTB    1146 cleon/petrol    1157 RTTB    1167 Sooty Jean    1177 RTTB    1178 Februal    117						
1729 Sheen/pated   1876   1877   1878	0717	JFP				
about pated for the form of the period of th	0722	JPP				
organistical plants of the second of the sec	0724	JFP	13		0-0 01- 1-11	
organistical plants of the second of the sec		62NP?	# 3		4 V	
ors JF Petrel   S  0817 Leads II Pet  0817 Leads II Petrol 2 yether water  0825 Leads II Petrol 2 yether water  0825 Leads II Petrol 2 yether water  0825 Leads II Petrol 1   Ight phase  0835 Leads II Petrol 1   Imm.  0935 Sooty Tenn  0945 Leaks II Petrol 1   Imm.  0945 Leaks II Petrol 1   Imm.  1004 Sooty (I) Shearwis   NW  1010 Sooty Shear   NW  1010 Sooty Shear   NW  1010 Sooty Shear   NW  1011 Sooty Shear   NW  1012 Sooty Tenn   Immediately ship carrying 12" /mg squid(I) in book.  1013 Leach of I  1014 Shear/petrol    1015 JED  1016 Desiremp P   Immediately share back, almost no dark underwring edge.  1016 Desiremp P   Immediately share bear to dark underwring edge.  1017 Shear/petrol   Impediately share the world to world allow show between edge.  1018 JED   Immediately share the world allow show between edge.  1019 Sooty Tenn  1020 Sooty T	0729	shew/patrol				1
0817 Leach's St. Pet.   Soly 1   Soly 1					dock about, white below - upper breast motseen -	
0817 Leach's St. Pet.   Soly 1   Soly 1	07-	TERLI	1		longed chung-not JFP or Wedgetail	
0819 J.F. Petrel 2 pto water 0825 Leach; St. Pet. 0835 Leach; St. Pet. 0837 Blue face Bosby 1 N imm. 0905 Scoty Ten. 0913 Leach; St. Petrel 1 1004 Scot; Shear   NW   1010 Scot; Shear   NW   1017 Chear/petrel   1025 Sort; Tem   1035 Leach of. 1035 Leach of. 1035 Leach of. 1037 Recompleted   1047 Recompleted   1047 Recompleted   1047 Recompleted   1048 Scoty Ten. 1038 Leach of. 1137 RTTB   1137 RTTB   1146 Recompleted   1000 Recompleted   1000 Sort; Shear   1137 RTTB   1146 Recompleted   1000 Sort; Sort; Ten. 1137 RTTB   1146 Recompleted   1000 Sort; Sort; Ten. 1137 RTTB   1146 Recompleted   1000 Sort; Sort; Ten. 1158 Sooty Ten. 1258 Sooty Ten. 125			115			1
0822 Leady Sile 1 0825 Leady Si Pet. 0835 Leady Si Pet. 0837 Blue-face Booky 0938 Scoty Team 0937 Blue-face Booky 0938 Scoty Team 0943 J.F. Petrel  1094 Sety (3) Shearwha   NW 1010 Scoty (3) Shearwha   NW 1010 Scoty (3) Shearwha   NW 1017 Chear/petrel 1018 Sooty Team 1038 Leach oP. 1018 Abean/petrel 1019 Shearwhap   1018 J.F. Petrel 1137 RTTB 1146 Plean/petrel 1137 RTTB 1146 Plean/petrel 1138 Sooty Team 1258 So	1					
0835 Leady 81 Pet 1 0837 Blue face Bosby 1 0973 Blue face Bosby 1 0995 Scoty term 1 0943 J.F. Petrel 1 1004 Scoty () Shearwala ( NW Sits down 100' away 1010 Scoty () Shearwala ( NW Sits down 100' away 1017 Cham/petral 1025 Sorty Term 1 1035 Leach of. 1047 Shear/petral 1 105 J.F.D. 1078 Shear/petral 1 1085 J.F.D. 1085 Sorty Term 1 1086 Shear/petral 1 1086 Sorty Term 2 1086 Sorty Term 2 1087 Shear/petral 1 1088 Sooty Term 2 1088 Sooty Term 2 1288 Sooty Term 2 1288 Sooty Term 3 1376 Retral 1 1376 Sooty Term 3 1376 Sooty Term 40 #10 1378 Wedgetiil J.F. Petral 1 1376 Petral 1 1376 Petral 1 1377 Petral 1 1377 Petral 1 1378 Wedgetiil J.F. Petral 1	1		1 7	note		
10837 Blactore Borby   N   imm.  10937 Blactore Borby   N   open to sort ten   N    10943 I.F. Petrel   Flushes from water by ship carrying 12" long squid(1) in book    1004 Seety (3) Georget ( NW    1010 Soots Sheet   NW    1017 Chean/petrel   W   white underparts longs    1025 Soots Term   W    1085 Leach of P.   white underparts longs    1085 Leach of P.   white underparts longs    1085 Leach of P.   white underparts longs    1085 Leach petrel   most seed from water and dark underwring edge.    1137 RTTB   Darphard from water and alip more determinedly    1137 RTTB   flushed from bard along water and alip more determinedly    1137 RTTB   flushed from bard along water determinedly    1138 Sooty Term 2 E    1258 Sooty Term 2 E    1315 Sooty Term 40#10   mapbe other things too, feeding, too beam for 1928 Wedgetiil    1.F. Petrel   S   light	0825	Leach's St. Pet.			ight phase	
0925 Sooty tear 1 0943 J.F. Petrol 1 1094 Scoty (3) Scenute ( NW Sits from water by ship carrying 12" long squid() in beak 1004 Scoty (3) Scenute ( NW Sits down 100' away 1010 Scoty Scheel   NW Sits down 100' away 1010 Scoty Tear 1025 Sooty Tear 1035 Learl petrol   1047 Scheen/petrol   1048 Scoty Tear 1137 RTTB   1137 RTTB   1146 Scen/petrol   1137 RTTB   1146 Scen/petrol   1158 Sooty Tear 2015   1258 Sooty Tear 2015   1258 Sooty Tear 2015   1315 Sooty Tear 2015   1316 Wedgetail   1317 Petrol   1318 Wedgetail   1319 Sooty Tear to to to	0835	Leach's St. Pet				
0925 Leak's St. Petrol   0943 J.F. Petrol   1004 Scoty (3) Shearwise   NW 1010 Scoty Shearwise   NW 1017 Shear/petrol   1025 Scoty Term 1035 Leach oP.   1105 J.F. P 1105 Daving P.   1105 J.F. D 1105 Daving P.   1105 J.F. B 1107 Shear/petrol   1108 J.F. B 1108 J.F. Sooty Term 1127 RTTB 1146 shear/petrol   1100 Leadi's S.P. Z 1258 Sooty Term 1378 Wedgetail   1378 Wedg	0837	Blue-tare Book	YIN		imm.	
1004 Sooty (3) Shearest ( NW sits down 100' away  1010 Sooth Shear Now ( NW sits down 100' away  1017 Shear peted ( NW sits down 100' away  1018 Leach of 1  1018 Alean peted ( notified homerates have along and and underway edge.  1018 To D.	0905	sooty ten	01 2			
1004 Socy (3) Shearward ( NW Sits down 100' 2 way  1010 Soots Sheal NW White underpoints large  1025 Sorts term ( White underpoints large  1035 Leach of ( )  1047 Cheen/petel ( )  1105 J F D  1105 Deveryper ( )  1105 J F D  1105 Deveryper ( )  1107 Soots term ( )  1108 Deveryper ( )  1109 Deveryper ( )  11137 RTTB  1146 cheen/petel ( )  1109 Term ( )  1127 RTTB  1146 cheen/petel ( )  1128 Soots term 2 E  1258 Soots term 2 E  1258 Soots term 2005 Secons/fatricles 512					Flusher from water by him work in 12" la . :1/7) . (.	6
1010 Sooty Sheet NW 1017 Chear/peter 1035 Loach of. 1047 Chear/peter 1105 JED 1105 Davenup P. 1105 JED 1105 Davenup P. 1137 RTTB 1146 Chear/peter 1100 Leach's S.P. Z 1255 Sooty Term 2015 Shear/fatrels 11258 Sooty Term 2015 Shear/fatrels 11258 Sooty Term 2015 Shear/fatrels 11258 Sooty Term 2015 Shear/fatrels 11268 Sooty Term 2015 Shear/fatrels 2					site down 100' 2012 "	7
1017 Shear/petal   1025 Sorts Term   1035 Leach of.   1047 Shear/petal   1105 JFD   1106 JFD   1107 RTTB   11137 RTTB   11137 RTTB   1146 Hear/petal   1100 Leach; S.P. 2 1258 Sooty Term 2 E 1258 Sooty Term 2 E 1258 Sooty Term 3055 3 51con/fatrus 552 3 1315 Sooty Term 40 110 maybe other things too, feeling, too ham for 1ight	1.				in the same	
1035 Leach of.   1045 Shear/feeled   11047 Shear/feeled   1105 J F D 1105 Davening P 1135 Sooty Term 2 E 1258 Sooty Term 2 2 E 1315 Sooty Term 2015 3 1315 Sooty Term 40 #10 1328 Wedgetail   1328 Wedgetail   1328 Wedgetail   1328 Wedgetail   1378 Feeling to then things too, feeling too term for light		Sooly She	al wh			
1035 Leach of 1 1045 shear/petel 1 1105 JEP 1106 Jernypetel 1 1105 JEP 1106 Jernypetel 1 1107 RTTB 11107 RTTB 11107 REAL 1 1108 Jean/petel 1 1109 Jean/petel 1 1109 Jean/petel 1 1109 Jean/petel 1 1109 Jernypetel		Shear/petrel	1	-	white unlassants large	
1045 shear/petiel 1 1047 shear/petiel 1 1105 JFP 105 JFP 1135 svoty tens 1 1137 RTTB 1146 shear/petiel 1 1000 Leadi's S.P. Z 11258 Sooty Tens 2 E 11258 Sooty Tens 2015 3 11315 Sooty Tens 2015 3 11315 Sooty Tens 40 100 maybe other things too, feeling, too feeling, t	1.	1	11			
105 J F D 108 J		1 1 1				
1105 JFP Dardrump P. 1 1/35 Soots Tess 1137 RTTB 1146 slean/petial 1 noon Leadis, S.P. 2 1258 Soots Tess 258 Soots Tess 268 Steeriflatrids 278 Soots Tess 27	1045	shear/peter				
1/35 worts Tesm   Drp flewhold first - seemed to avoid aliquous determically  1137 RTTB    1146 chean/petrel    1100 Leadi's S.P. Z  1258 Sooty Term 2 E  1258 Sooty Term 2015    Shearn/Petrels 512 }  1315 Sooty Term 40 110    1328 Wedgetail   S.F. Petrel    J.F. Petrel    1 South Touch of the things too, feeling too farm for  1 194t			1		a tole ald a so has a so a store down de moderning ed a l	
1/35 worts Tesm   Drp flewhold first - seemed to avoid aliquous determically  1137 RTTB    1146 chean/petrel    1100 Leadi's S.P. Z  1258 Sooty Term 2 E  1258 Sooty Term 2015    Shearn/Petrels 512 }  1315 Sooty Term 40 110    1328 Wedgetail   S.F. Petrel    J.F. Petrel    1 South Touch of the things too, feeling too farm for  1 194t	1105	D. Desum a P	1		flushed from water -	
1137 RTTB  1146 Alean/petel    noon Leading S.P. Z  1258 Sooty Term Z E  1258 Sooty Term 2015 }  Shearn/Patrils 512 }  1315 Sooty Term to #10  1328 Wedgetail  J.F. Petrel   S  1ight  flushed  medium - darlatove, white below  feeding flock in dist.  maybe other things too feeding too famm for  light	1175	The state of the s	1		don't back, their black underwring edges	
1146 clean/petel 1  noon Leadis S.P. 2  1255 Sooty Term 2 E  1258 Sooty Term 2015 }  Shearn/Petrols 512 }  1315 Sooty Term 4010 maybe other things too feeling too famm for  1328 Wedgetail  J.F. Petrol 1 5  1ight	1/	1	1		Usp flushed first - seemed to avoid any the	3
noon Leading S.P. 2  1258 Sooty Term 2 E  1258 Sooty Term 2015  Shearn/Patrils 512  1315 Sooty Term 4010  maybe other things too, feeling too farm for  1328 Wedgetail  J.F. Petrel 1			1		flushed	
nown Leadi's S.P. 2  1258 Sooty Term 2 E  1258 Sooty Term 2015  Shearw/Patrels 512  1315 Sooty Term 40110  maybe other things too, feeling ( too terms for light  I.F. Petrel   South Terms for light	1146	hear/petiel	1			
1258 Sooty term 2 E 1258 Sooty term 20±5 Sheard/Patrels 5±2  1315 Sooty Term 40±10  maybe other things too, feeling, too famm for 1328 Wedgetail J.F. Petrel   S light	noon	Leadis SP	. 2	1	mean vare good, wind octor	
Shearn/Patrols 5t2 } feeding flock in dist.  1315 Sooty Term 40±10 maybe other things too, feeding, too famm for  1328 Wedgetail   5  I.F. Petrol   5  1ight	1255	Sooty Ten	17 E	1		
1315 Sooty Term 40 #10  1328 Wedgetail  J.F. Petrel   S light things too, feeling, too famm for	1258	Souty Ten	2015		Feeding Flack: 1.1	
1328 Wedgetail   S light		shearn/retrus	5-12	1	in dist.	
J.F. Petrel 1 light				-	maybe other things too feeling too farm for	
	1328	Wedgetail	115	1		
1400 Sorty Term 25 ± 2 feeding				1		

SI-MNH-958e 7-28-64



SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG — E

DATE 23Apro57
Pg. # 2

time	species	# dir. het	remarks	100
	shear/petiel		sear by watch	
	shear/petel		The state of the s	
	TEP			
1435	Leash's P	4 NW		
	Soots Term			
1449	Soots Tem	50 t/0		
	dear/potel	5+	feeding at a Instance	
1450	shear/petrel	1		
	Pale-Forted Shear	IN	large white fill - large buller all dark including	
1525	SortyTem	3	large white bill-large bulky all dark nehrdring underwing-flight unhursed even in high wind.	
	Bulwers?	1		
	JFP Leach 10P	1		
		1 N		
1715	Show/Petrel Wedgetail	1		
1740	JFD	/	light	
1750	shear/petrel	2 NW		
1758	TFP	2 100	J.F.PorWadgetail	
1805				
1005	end ob	servation		
				1
1				

SI-MNH-958e 7-28-64 SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG — E

DATE 24 Apr 65
Pg. # 1

time species # dir. het. remarks  0555 begin observations
0555 bear observation
0615 Levels St. Rt. 1 0629 Levels St. Rt. 1 0638 Levels St. Rt. 1 0701 Sooly Team 8 0717 Walgets 11 0726 Jung Kronnold R 1 0732 Sooly Team 2025 Walgets 12 0735 Sooly Team 2025 Walgets 10 0840 Levels OP 1 NW 110 Sooly Team 1 110 Sooly Team 1 1115 Sheart Petrol 1 1150 Levels OP 1 110 Sooly Team 1 1150 Sooly

SI-MNH-958e 7-28-64

w - 2

#### SMITHSONIAN INSTITUTION DIVISION OF BIRDS AT SEA DAILY LOG — E

DATE 25 Apr 65
Pg. # \_\_\_\_\_

ime	species	拳	dir.	het.	remarks
0500	RFB?	1	-	1100-1	all brown - probably RFB imm seen by watch
	Levelisp	1			seen by watch
0528	begin obse	wa	tions		
0545	Blue-faced Pools	1			subadult - white head week - wings + back howin
	jaeger sp				subadult - white head week - wings + back hown with white fless.
	WITEB	7			not sure of size.
o -7 :	1.	1			Jaeger chased tropiclind uptdown for a
110	Lead to P	3	NW		minute or Do, then gave up.
0756	Sooty Shear	1	NW		- Jack
0845	Leach's St. Pet.	1			
0949	Wedgetail	1	_		light phase
	Leach's st. Pet.	1			
	temsp.	1	N		mayline been Arctic Tem- too for
	shear/potal	1	N		may have been Sorty Shear.
	R.T. Tropic bird	1			
1535	Level's P	1			
1538	beach of				
1608	1 Carrier 20	/			
1702	Chear/petrel	1			
1700	(1) (10)11	1	on wate	1	
1 7	1	1	NE		0-10-6:11
		1'	142		saw pate 6:11. Wedgetail-sized
	Leach's P.	1	NW		
1752		1			
1758	Leach's P.	1			
1802	leach of	1			
1815	lend of	zer	vation	÷	
	-				
1					
		1		1	
				1	
		-			
		1		1	
		-			
	1	1		1	
1	1		1		

DATE 26 Apr 65
Pg. #

species # dir. hgt. remarks loc. time 0605 begin observations 0642 storm retiel / W sun long of poor look, very fast flight 0736 Leach's St. Pet. 2 George saw em 0810 jægersp. W distant 1028 Leach's St. Pet. 1043 Leach's St. Pet. 1055 Leach's St. Pet. 1129 R.T. Tropic 6 ird 2 up From water 1143 Leach's St. Pet. 1307 Leach of 1309 Sooty Ten 1310 leach oP 1315 SootyTem flished. seen by watch 1350 sloar/petrel 1420 Liter Tent, 2 one howard, dived, timedo joured mate 421 leach's P. Bulmean Retrel NE 1602 Bulwer's Petrel 1 1632 Learl's Potal 1 1640 Arctic Term 4 hovering, diving repeatedly, circling 1658 Bulwer's P hovering, diving ete-came close enough to, Ishot but apparently no hits. 1700 Aretic Ten Leach's r. P. Sooty Shemuster - 621 light, Flaps heavily 1820 end observations

SI_M 7-28-	14-958 -64	e	V	DIVIS	IAN INSTITUTION ION OF BIRDS DAILY LOG — E		2.//
		ω <u></u>	(- 2	A de de la devica e		DATE 27 A	9165
	time	species	# dir. h	t. remar	ks		loc.
	0520	begin obs Leach to Petel BFA	envations				
	0525	Leach o Petel	(				
	0548	BF/7 Souts Shear	1 follow				
	0557	RTTB	INW	. 03	549 2 BFA		
	0608	Arctic Tem RTTB	2 NW	flushed			
	0627	RTTB		0 (	510 small (50) sch	hool of squid broke su	fue
	0745	Sooty Shear Sooty Shear	1 00	flushes	- pink grall	J.	
	,,,	voory sular	E	seemed	curious about ship.	flew slowly, flappin orge - clear whitself it somehow bird love	4
				central	rally- seemed veryl	rige - clear whitish	
	0755	c + c		6	different.	a somerow one cover	
		Sooty Slews	1		V V		
	0808	Leach's S.P.	1		08003BF	A	
	0817	Arctic Ten	7 -	- at ste	ern try to chum	. They grab + run, try	y to steal from
5W	0 900	Arctic To		11 11			other.
S E- PU	0905	Leach's St. Pet.					
NE	0908	shear.		lista	<del>/</del>		
	0915	Leach's S.P.		o 1) en			
V	0919	teach's s.P.		500 /	L1 (co. ) .)	by 12.01. (2)	
	1002	R.T. Tropicbird	2 circle	shie shie	watch (George) id	7	
	1017	lead of	1				
	1052	bird Leach to P.	1	mayha	e been jaeger- vansl	'ad in thicain	
	1105	Level's P	111	U			
	1108	Leach to P	1		1100 3FA	has it wrigting beat	up-
	1118	Leach to P	6	man		at wist - Privary fea	
	1130	RTTB	1	white	ned and fraged	J V Ca	
	1132	Leach of.	1	Mead	out, very loose flock		
	1140	Leach p P Sooty Shear	INNW	7 almos	ran over him - white	with fine long red se	rise
	1230	Leach's S. P.	1		00 5 BFA		
	1300	Leach's St. Pet.		reported 13	64 witch BFA		
	1305	Leach's St. Pet. Layson Alb. Leach's St. Pet			ship then follows		
	1313	Leach's St. Pet					

DATE 27 April 1965
Pg. # 2

	E	h		
	/	& NE	hat	remarks loc.
time	Leach's St. Pet.	I W	hgt.	remarks
1319	Leach's St. Pet.			goes right to the group of 3 BFA, I Layson A. when those Isud together
1359	Sooty Shear	11		
1400	Leach's p	1		1403 - 70FA+ 1Lagoan
1405	Ceach's P			1905 - 10 F/T / Lagran
1435	Local' P	1 NW		
1445	lead of	1 NW		
1500	Sooty Shear	( March		flished?
1552	Arctie Tem	2 NW		
1557		1	1	
1558	1	1		
1559		2 NW		
1602	Leada's St. Pet	1		
1610	Leach's st Pat	1/		
1612	Lesch's St. Pet.	1		
1616	Shearwater/Petrel	1		distant
1638	Bulwer's Petrel	E C		0(31 Zer)
1639	Bulwer's Pet.	INW	1	
1644	Bulwer's Petrel Leach's St. Pet			
1651	LSP	1 NW		1700 hours 9 RFA + 1 / A 511.
1701	L58			1700 hours 9 BFA + 1 L A Follow (one possible hybrid-much white)
1712	Astic Tern	i N		possible hybrid - much white)
1740		INW		
		1		
183	o end ob	servate		
		11		
		1.1		

DATE 28 Apr65
Pg. # 1

ime species	# dir. het.	remarks	
ime species  300 Lead's s. Pet.	1	Feeding around light by ship	T
0513 begin observat	ino -	still )ark	1
	ZN		
0630 BFA		tirst me arriver in rainshowen	1
06 58 Leach's St. Pet.			1
07 11 Arctic Term	(N)	going "like the shirt-tails of hell" as Bob Hones would say	1
0723 Lead's St. Pet.	il	0800 still one BFA	١
08/2 Learle lo Pet.	2		١
	2		1
0851 Aritie Tem.	2		1
0852 beach 6P	1		1
0937 Leach to P	1	$\sim 77 - 4$	1
0950 Leach 10P	1	1000 21SFA	1
1040 Leach's St. Pet. 1131 Leach's St. Pet	(	1100 3 BFA	
1203 Cach's Peter			
1209 Leach lop			
1212 Leach of	1		
1300 shear/petal	1 light - muze	Le Wedgetail catch fine mahmali at full throttle	
1540 Lezch's St. Pet. 1545 Lezch's St. Pet	1 1 6	1500 2 BFA	
1545 Leach's St. Pet. 1547 Shear/Petrel		distant 1600 3 BFA	7
1600 Leach's St. Pet.		015/22/1	
1603 Bonin Island Petrel	I NE -	- good look, I've banded twing-streamered over 2000 vH	
1633 WTTB	1		
	destruction	1630 4BFA	
1855 end obser	e Airi		
	arros	1830 4BFA	
'			

	me .	species	# dir	hgt.	remarks loc.
06	32 336 42 48 658 725 730	begin pleso Leach of P South Shear Down Rumps P. South Shear South Shear South Shear South Shear Arctic Term Lewil of P BFA	1 / / / / / / / / / / / / / / / / / / /	2 2 2	gorgeons - cave by very close + doubled back for second look. This dark underving edges + dark back
00000000000000000000000000000000000000	753 819 830 830 907 945 1130 15 20 123	Phalaroge	2 1 1 1 2 4 - 2 1 - 21 NN SW - NI NW		messing around our stem or we're stopped for Hydro sts.  1000 1 BFA  Pink-flushed  1145 1 BFA  getting blown something Fierce
	236 313 315 319 328 339 414 416 434	LSP Sooty Shear Shear / Petrel Ardic(?) Term LSP LSP Sooty Shear Cearly of Learly f. Sooty Shear Shear / Petrel Shear / Petrel Trigate lind	111122(B113) NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN	NW WW W	Jist.  Jescribed by worth (wast)  1530 Albaghors back with no he's holding primaries - probably 1, 2, or 3 on each side flags more than wind calls for.  Tarnite says jacque 1630 Either this a new tross or swift in the
	647 707 712 737	Sooty Shearw.	1,2 N		but circling high when sed All primaries seem p. + a.f. (white rump)

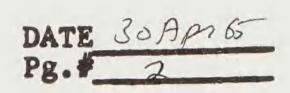
SI-MNH-958e 7-28-64 SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG — E

DATE 29Apr65
PB.# 2

loc. # dir. het. remarks time species sooty sneer 1758 hight 1808 2BFA ukdaetail Frigate 1812 Sooty Steer 1815 1840 Leach S.P. 1855 Pom Jaeger 1900 endobsen 1840 nice twisted central retries

SW "

		A		N			
ti	me .	species	*	dir.	hgt	remarks	loc.
05	500	wedgetail	1	_		seen by beorge	
		begin obse	w	trois			
00		0, -	1	NE			
06	531	Sooty Term	1	NE			
06	42	Sooty Tern	1	NE			
06	:49	wedgetail	1	NE			
0 6	52	Sooty Tenn Common Noddy	3/	3 NE			
06	57	Sooty Term	1	R SE			
0-	710	Sooty Tern	1	) JE			
	715	Sooty Tern	2	> .			
700	720	Common Nodly	1	S NE			
07	723	Soots Tem	2	3			
0	725	SootyTem	4				
	25	RFB	1				
	726	BFA Noldy Teny	1	foll			
	729	Noldy Tem	(				
	745	Worldy Term	1				
	748	shew/petel	1				
		Noddy Term	2				
	752	Noday Tem	1				
	803	Frigate	1				
0	808	Frigate	1				
	808	Wedgetail	2	7			
	809	Bulwers P Scoty Tem	1			light	
-		Noddy Ten	1				
4	0812	Souty Tem	3+				
		Frigate	1		1	keeding	
		RFB	1				
	57.	shear/petel	3	-			
0	822	Noddy Tem Frigate	17			travelling	
		RFB	34	-			
	1825		1	1	1	hight	
	0830	RFO	1		1		
0	1831	Nodel Term	12			light 1.+	
0	2832		1			40 sight	
	833	Noddy Terry	3		1	07.13	
	834	wedgetone	2			70 (ind)	
	005	sorts Ten	1				





time	species	# dir	. hgt. remarks	loc,
0835	RFB	3		
0835	Wedgetail	3 2		
0840	Nod dy Ten	1		
	Wedgetail	1		
	shew/potel	1		
0841	RFB	2		
0843	Wedgetan	4	I northern dark phase	
0844	tern?	1	flying high-fairly fast weighent	B-swall
0845	Wadgetail	1	July many Land Law.	
0846	Wedgetail	2		
0848	Wedgeland	1		
0850	Wedgetail	2		
0852	Wedgetan	2		
000 6	1, 2 1 1 1	70	feeding	
0853	Soots Tem	1	( Lecares)	
	Noddy Ten	-		
	Wedgetar	(		
0854	RFB	/		
0859	Sosta Ten	2		
10007	Wadgetail	3		
0900	Wedgetuil			
0902	Wedgetut	3		
0903	Wedgetal	3		
0904	Wedgetail	2		
0905	Wedgetail	4		
0906	NodeyTen	2		
6914	RFB			
6914	Friguto -	\$1		
	RFB	4	beeding	
2915	88	35		
0915	Wedgetail Wedgetail	3		
0916	Wedgetail	1		
0917	SootiTem	2		
0918	Wedgetail	12	35 sight	
0919	Wedgetuil	4		
0920	. ()	3		
0930	Wedgetail	3 2	that birds	
0931	Bulvers	1	165 Girds	



time	species	#	dir. het.	remarks	loc.
0932	Wedgetail	3			
0943	Soute Ten	1			
0944	Wedgetons	12			
0947	RFB	1			
0954	Frigate	11			
0955	Took Ten	2			
0955	Soots lem	1			
0958	1 1	3			
0959	Wedgetail	1			
0957	Soots Ten	1			
1007	sooty Tem		3		
1010	Com. Noddy	1	3		
1011	Wedgetzil	1			
1012	Sooty shear	2	/		
	- WOADU	1			
1014	Great Frigate	1			
1016	-om. Noddy	11			
1025	Sooty Tem	(			
1033	Com. Noddy	1			
1035	Com. Noddy	Z		14/11	
1036	Wedgetsil	1			
1036	1 million	11	-	termite ?	
1037	Balver's thet	11			
1038	Sooty Shear	1	1	I saw this one well	
1039		11	Ne		
1041	Com. Noddy	2		N ~ **	
1043	55	2			
1044	55	1	N J		
1044	com. Woddy	i	N		
1045	55	2			
1046	com. Noldy	1	N IN		
1048	st. Petrel	-	on water		
1048	sidy Ten	- 2			
1049	Com. Noddy	A	E		
1050	Sooty Term	3			
1050	55	1	N		
1054	Sooty Term	4	1 1		
1055	Sorty Tehn	7			
1056	Wedgetzil	1			
1056	Low. Noddy	12		Ad. rosly a floor	47 sight
1058	Red footed too	y L		Ad.	17 signt
1059		١, ١	N		
1100	1 100-	(	1 w 1		80 bin
	Com, Noddy	1	/		

time

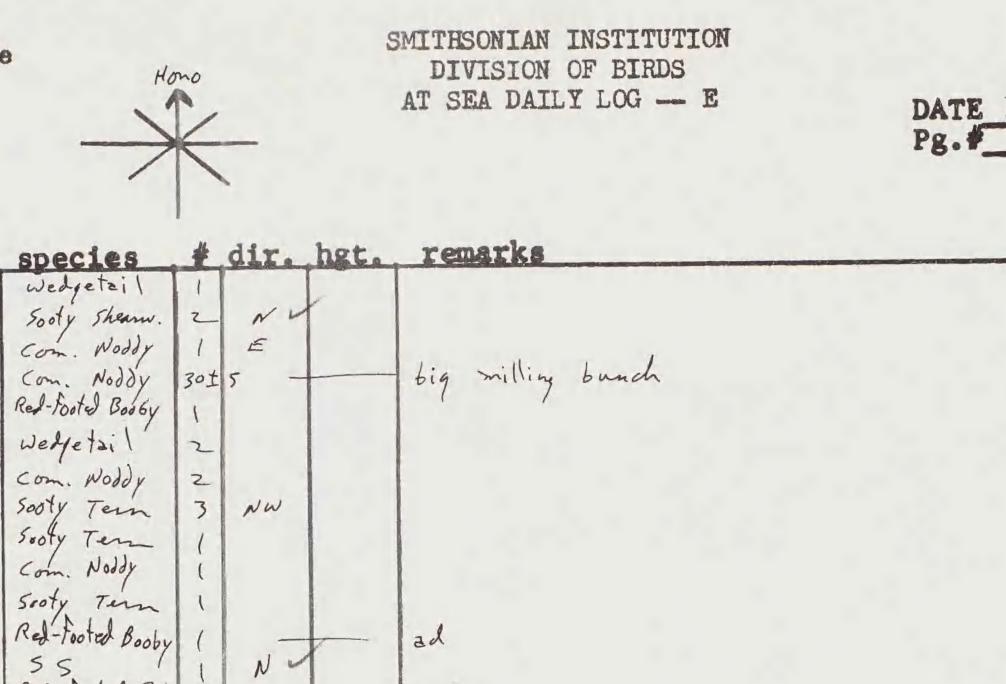
1101

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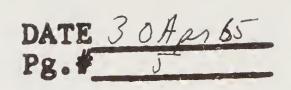
DATE 30 April 1965
Pg. # 4

loc.



1105 1106 1108 1109 Sooty Ten 1110 1111 1113 1114 1115 1115 Red-Footed Books 1116 20. Com Woddy Red-frot 1116 20. 1117 not together Com. Noddy 1117 Com. Woddy 2 1120 Modely 33 1121 Noddy S5 8 N= 5 1125 55 1/25 sub adult 1125 Noddy 3 1126 Souty Fern 1/26 1128 Nod dy 4 1131 Sorts Term 1132 RFB 3 1133 Noddy RFB 1.134 Noddy SortyTem Sooty Ten Norddy 1150 56 Soot Jan Wedgetail travelling 1151 Souls Ten Wedgetail Noday 1155 Soots Ten 1205 Soots Tem 1207 Soots Tam Soots Tam 1210 1/1/1/5666 8664 Soots Tem 1212

173





time	species	# dir.	het.	remarks	loc,
1217	Soots Tem	2			
1218	Frigate	1			
1220	Soots Tem Frigate Soots Tem Noddy end obse	7		travelling	
1220	end obse	vations			
		0.01			
					46
				5 sight	L
				7,0	
					/1

```
Position at sunrise = 10°02'N 148°55')

Position at sunset = 11°50'N 148°53')
    Time at sunrise
    Time at sunset =
    Miles traveled from 0000 hours to sunrise = 52
    Miles traveled from sunrise to sunset =
                                           = 59
    Miles traveled from sunset to 2400 hours
                        TYPE OF FIX
                                       LONGITUDE
         TIME OF FIX
                                                     LATITUDE
    1,
    2.
    3.
    4.
    5.
    6.
DATE
                            Position at sunrise = 13°35' N 148°00' W
                                                 = 15°50'N 147°57'W
    Time at sunset
                            Position at sunset
    Miles traveled from 0000 hours to sunrise
    Miles traveled from sunrise to sunset = 135
    Miles traveled from sunset to 2400 hours
         TIME OF FIX
                        TYPE OF FIX
                                       LONGITUDE
                                                     LATITUDE
    1.
    2.
    3.
    4.
    5.
    6.
```

```
Position at sunrise = 17°55'N 14757'W

Position at sunset = 17°55'N 14757'W
Time at sunset 18 14
Miles traveled from 0000 hours to sunrise = 5 4
Miles traveled from sunrise to sunset = /4/
Miles traveled from sunset to 2400 hours = 5 4
                                  LONGITUDE
    TIME OF FIX
                   TYPE OF FIX
                                               LATITUDE
1.
2.
3.
5.
6.
                      Position at sunrise = 2154 W 147°56 W
Time at sunrise 0524
                       Position at sunset = 24 0 14754 W
Time at sunset
Miles traveled from 0000 hours to sunrise
Miles traveled from sunrise to sunset = 135
Miles traveled from sunset to 2400 hours = 63
    TIME OF FIX
                   TYPE OF FIX LONGITUDE
                                              LATITUDE
1.
2.
3.
4.
5.
6.
```

```
DATE 27 Apr 65
                          Position at sunrise = 26°03 N 148°01 N
    Time at sunset 1828 Position at sunset = 25^{\circ}29'N/150^{\circ}03'W
    Miles traveled from 0000 hours to sunrise = 5
    Miles traveled from sunrise to sunset
    Miles traveled from sunset to 2400 hours = 62
         TIME OF FIX
                       TYPE OF FIX
                                     LONGITUDE
                                                 LATITUDE
    1.
    2.
    3.
    5.
    6.
DATE 7.8 Ap. 65
                        Position at sunrise = 25°04'N 151°31'W
                          Position at sunset = 24^{\circ}59'N 154^{\circ}10'W
    Time at sunset
                                            = 25
    Miles traveled from 0000 hours to sunrise
    Miles traveled from sunrise to sunset = 143
    Miles traveled from sunset to 2400 hours
         TIME OF FIX
                      TYPE OF FIX LONGITUDE
                                                 LATITUDE
    1.
    2.
    3.
    4.
    5.
    6.
```

```
DATE 29 Apr 65
                           Position at sunrise = 25°01'N 156°22'W
                           Position at sunset = 23^{\circ} 29'N 156^{\circ} 59'W
    Time at sunset 1855
    Miles traveled from 0000 hours to sunrise
    Miles traveled from sunrise to sunset = 125
    Miles traveled from sunset to 2400 hours
         TIME OF FIX
                       TYPE OF FIX
                                      LONGITUDE
                                                   LATITUDE
    1.
    2.
    3.
    5.
                           Position at sunrise = 21° 57'N 157° 02'W
    Time at sunrise
                           Position at sunset = 21° 15′N 157° 50′W
    Time at sunset 1220
    Miles traveled from 0000 hours to sunrise
    Miles traveled from sunrise to sunset
    Miles traveled from sunset to 2400 hours
        TIME OF FIX
                       TYPE OF FIX
                                      LONGITUDE
                                                   LATITUDE
    1.
    2.
    3.
    4.
    5.
```

```
Position at sunrise = 2154/\sqrt{15936}
Time at sunset = 1850 Position at sunset = 20^{\circ}55' N 157^{\circ}52' N
Miles traveled from 0000 hours to sunrise
Miles traveled from sunrise to sunset =
Miles traveled from sunset to 2400 hours = 47
                   TYPE OF FIX
    TIME OF FIX
                                  LONGITUDE
                                               LATITUDE
1,
2.
3.
5.
6.
Time at sunrise 06/3 Position at sunrise = 19^{\circ}/9^{\prime}N 157^{\circ} 00 W
Time at sunset 18 = 43 Position at sunset = 17^{\circ}27^{\circ}00^{\circ}60
Miles traveled from 0000 hours to sunrise
Miles traveled from sunrise to sunset = 1/2
Miles traveled from sunset to 2400 hours
    TIME OF FIX
                   TYPE OF FIX
                               LONGITUDE
                                               LATITUDE
1.
2.
3.
4.
5.
```

```
DATE / 3 Apr 65

Time at sunrise 6 =
                            Position at sunrise = 15^{\circ}28/V 157^{\circ}00 \omega
                            Position at sunset = 13^{\circ}44/156^{\circ}58'
     Time at sunset \frac{184}{}
                                                 = 58
    Miles traveled from 0000 hours to sunrise
    Miles traveled from sunrise to sunset = 124
    Miles traveled from sunset to 2400 hours = 37
                        TYPE OF FIX LONGITUDE
         TIME OF FIX
                                                     LATITUDE
     1.
     2.
     3.
    4.
    5.
     6.
DATE 14 Apr 65
    Time at sunrise 06/7 Position at sunrise = 1/343 N 156°53 W
                           Position at sunset = 10^{\circ}53^{\prime} N 155^{\circ}43^{\prime} W
    Time at sunset 1833
    Miles traveled from 0000 hours to sunrise
                                                = 74
    Miles traveled from sunrise to sunset = 87
    Miles traveled from sunset to 2400 hours = 54
         TIME OF FIX
                        TYPE OF FIX
                                        LONGITUDE
                                                     LATITUDE
    1.
    2.
    3.
    4.
    5.
    6.
```

```
DATE 15 Apr 65

Time at sunrise = 6
                        Position at sunrise = 10°00 NJ 154'05
    Time at sunset | 828
                       Position at sunset = 12^{\circ}04^{\circ}N 154^{\circ}02^{\prime}\omega
    Miles traveled from 0000 hours to sunrise = 56
    Miles traveled from sunrise to sunset = | | | |
    Miles traveled from sunset to 2400 hours = 60
                                  LONGITUDE
        TIME OF FIX
                     TYPE OF FIX
                                             LATITUDE
    1.
    2.
    3.
    4.
    5.
    6.
DATE /6 Apr 65
    Time at sunrise 602 Position at sunrise = 140/N/5
    Miles traveled from 0000 hours to sunrise
   Miles traveled from sunrise to sunset = 125
    Miles traveled from sunset to 2400 hours
        TIME OF FIX
                     TYPE OF FIX
                                  LONGITUDE
                                             LATITUDE
    1.
    2.
    3.
    4.
    5.
    6.
```

```
Position at sunrise = 18^{\circ}/15^{\circ} 153^{\circ} 57^{\circ}
                                                                                                      Position at sunset = 20°17 V 153°56' W
 Miles traveled from 0000 hours to sunrise
                                                                                                                                                                                                               = 6
 Miles traveled from sunrise to sunset
                                                                                                                                                                                                     = 51
Miles traveled from sunset to 2400 hours
                                                                                            TYPE OF FIX
                       TIME OF FIX
                                                                                                                                                                  LONGITUDE
                                                                                                                                                                                                                                LATITUDE
 1.
 2.
3.
5.
6.
                                                                                                          Position at sunrise = 22°06 / 154°00 / 154°00 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 152°57 / 
Time at sunrise 555
Time at sunset
Miles traveled from 0000 hours to sunrise
Miles traveled from sunrise to sunset
Miles traveled from sunset to 2400 hours
                      TIME OF FIX
                                                                                          TYPE OF FIX LONGITUDE
                                                                                                                                                                                                                               LATITUDE
1.
2.
3.
4.
5.
```

```
Position at sunrise = 23^{\circ}22/\sqrt{151^{\circ}03/\omega}
Position at sunset = 21^{\circ}05/\sqrt{150^{\circ}55/\omega}
Miles traveled from 0000 hours to sunrise
Miles traveled from sunrise to sunset =
Miles traveled from sunset to 2400 hours
                         TYPE OF FIX
      TIME OF FIX
                                            LONGITUDE
                                                             LATITUDE
1.
2.
3.
4.
5.
6.
                             Position at sunrise = 19^{\circ}09/N 150^{\circ}59'\omega
Position at sunset = 17^{\circ}25'N 150^{\circ}59'\omega
Time at sunrise
Time at sunset 1821
Miles traveled from 0000 hours to sunrise
Miles traveled from sunrise to sunset = /04
Miles traveled from sunset to 2400 hours
      TIME OF FIX TYPE OF FIX
                                            LONGITUDE
                                                             LATITUDE
1.
2.
3.
4.
5.
```

```
DATE 2 1 Apr 65
                          Position at sunrise = 15°27'N 151°02'W
    Time at sunset 18 18
                          Position at sunset = 13^{\circ} 22/N 151^{\circ} 00 63
    Miles traveled from 0000 hours to sunrise
    Miles traveled from sunrise to sunset = 125
    Miles traveled from sunset to 2400 hours = 4/
         TIME OF FIX
                      TYPE OF FIX
                                    LONGITUDE
                                                 LATITUDE
    1,
    2.
    3,
    5.
    6.
                          Position at sunrise = 11°37' N
    Time at sunrise 05 49
                                          = 10° 50'N 149° 42'W
                          Position at sunset
    Miles traveled from 0000 hours to sunrise
    Miles traveled from sunrise to sunset
    Miles traveled from sunset to 2400 hours
        TIME OF FIX
                      TYPE OF FIX
                                    LONGITUDE
                                                 LATITUDE
    1.
    2.
    3.
    4.
    5.
```

#### SMITHSONIAN INSTITUTION DIVISION OF BIRDS AT SEA DAILY OBSERVATIONS SUMMARY

DATE: // Apr 65 Tota	l Minutes: 59	<u>O</u> I	otal Miles //4
1. Total Abundance of birds:			
No. Sightings No. Birds Bir	ds/Sighting Bird	ls/Mile	
166 603	3.63 5	,29	
II. Abundance of the Shearwate	r-Petrel-Albatross	Group:	
No. Sightings No. Birds	Birds/Sighting	Birds/Mile	
T WT P B T WT P B	T WT P B	T WT P	В
1341022049502	1.81 2.32 0 1.0	1.79 330	,02
III. Abundance of Tropicbirds:			
No. Sightings No. Birds	Birds/Sighting		
T RT WT T RT WT	T RT WT	T RT WT	
305303	10010		3
IV. Abundance of Terns:			
No. Sightings No. Birds	Birds/Sighting	Birds/Mile	
40 346	6.65	5,03	
V. Abundance of Shorebirds:			
No. Sightings No. Birds	Birds/Sighting	Birds/Mile	
0 0		0	
VI. Abundance of Boobys:			
No. Sightings No. Birds	Birds/Sighting	Birds/Mile	
T BF RF B T BF RF B	T BF RF B	T BF RF	В
11 9 11 0 15 0 15 0	.36 0	.13 0 .13	
VII. Abundance of Frigatebirds	дь ф		<i>;</i>
No. Sightings No. Birds	Birds/Sighting	Birds/Mile	
	1.0		
VIII. Abundance of Flocks:			
Total No. Total No. Total Flocks Birds F/Mi.	No. No. Feeding Flocks	No. Feeding Birds	No. Feeding F/MI.
13 376 11	6	337	105

#### SMITHSONIAN INSTITUTION DIVISION OF BIRDS AT SEA DAILY OBSERVATIONS SUMMARY

DATE: 12 /	Ju165 To	tal Minutes: 750	T	otal Miles // 2
1. Total Abun	dance of birds:			
No. Sightings	No. Birds B	irds/Sighting Bird	s/Mile	
134	251	1.87 2,	24	
II. Abundance	of the Shearwa	ter-Petrel-Albatross	Group:	
	No. Birds	Birds/Sighting		
***************************************	218-21-2-7	T WT P B	1,95,19,6	B 2,06
	e of Tropicbirds			
No. Sightings T RT WT	No. Birds T RT WT	Birds/Sighting T RT WT	Birds/Mile T RT WT	
	O WI		T RT WI	
IV. Abundance	of Terns:			anness (gill) (m.g.) and see (g
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
13	30	2,31	27	
V. Abundance	of Shorebirds:			
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
0	0	Ó	0	•
VI. Abundance	of Boobys:			
No. Sightings T BF RF B	No. Birds T BF RF H	Birds/Sighting B T BF RF B	Birds/Mile T BF RF	T
1010	1010		A	<u>B</u>
VII. Abundance	e of Frigatebiro	ls:		
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
2		1.0	,02	
VIII. Abundano	ee of Flocks:			9-3-1
	otal No. Total irds F/Mi.		No. Feeding Birds	No. Feeding F/MI.
	14,0	1 0	0	

### SMITHSONIAN INSTITUTION DIVISION OF BIRDS AT SEA DAILY OBSERVATIONS SUMMARY

DATI	E: 13 A	p155	_ Tota	al Minutes:	74	7	Total	Miles 124
1.	Total Abu	indance of b	irds:					
No.	Sightings	No. Bird	s Bi	rds/Sightin	ng Birds	s/Mile		
Charles Sparson, consistential	76	68		1.16	17	1		
II.	Abundano	ee of the Sh	earwate	er-Petrel-A	lbatross	Group:		
	Sightings WT P I			Birds/S T WT	Sighting P B	Birds/Mi T WT	le P B	
67.	-60-1	178-60	12	1.19 1.5	01.09	, 105	0,10	
III,	. Abund <b>a</b> r	ace of Tropi	cbirds	\$ •				
No.	Sightings RT WT	No. Bir	ds WT	Birds/S T RT	Sighting WT	Birds/Mi T RT	le WT	
	10	1 1	0	101.	0	,01,01	0	
IV.	Abundand	e of Terns:						
No.	Sightings	No. Bird	S	Birds/Si	ghting	Birds/Mi	le	
	0	0			3	0		
V.	Abundance	of Shorebi	rds:					
No.	Sightings	No. Bird	S	Birds/Si	ghting	Birds/Mi	le	
	0	0			)	6		
VI.	Abundanc	e of Boobys	Ø. Ø)					
No.		No. Bird	s RF B	Birds/Si T BF	ghting RF B	Birds/Mi T BF	le RF B	
0			<u> </u>		)		Tu: D	
VII.	. Abund <b>a</b> n	ice of Friga	tebirds	5.				
No.	Sightings	No. Bird	S	Birds/Si	ghting	Birds/Mil	e	
	0					6		
VIII	. Abunda	nce of Floc	ks:					
		Total No. Birds	Total F/Mi.		Feeding ks	No. Feedi Birds	0	MI.
C	>	0	0	C	)	0	μ	3

#### SMITHSONIAN INSTITUTION DIVISION OF BIRDS

	DIATOTOM	OL DIVID	
AT SEA	DAILY OBS	ERVATIONS	SUMMARY

DATE	: 14/4	2050	, , , , , ,	Tot	al Mi	nutes:_		3	6		_ To	otal Miles	87
1.	Total Abu	ndance	of bi	irds:									
No.	Sightings	No.	Birds	Bi	rds/S	ighting	g I	Birds	/Mile				
	103	2	30	7	, 2	3		2.6	5 4	-			
II.	Abundance	e of t	he She	earwat	er-Pe	trel-Al	.batr	oss	Group	•			
CHECK THE STREET	Sightings	No.	Birds	5	В	irds/Si	ghti	ng	Bir	ds/Mi	ile		
T	WI P B	T	WT P	В	T	WT	P	В	T	TW	P	В	
972	6 0-20	153	57-0	24	1.5	8.2.19	0	1.2	1.76	.65	0	. 27	
III.	Abundand	ce of	Tropic	birds	6. 81								
	Sightings		. Bird	ls	В	irds/Si	ghti	.ng	Bir	ds/Mi	lle		
T	RT WT	T	RT	WT	T	RT	WT		T	RT	WT		
1	10	1	1	0	1,0	1.0	0		.01	.01	0		
IV.	Abundance	e of T	erns:										
No. S	Sightings	No.	Birds		Bi	rds/Sig	htin	g	Bir	ds/Mi	le	-3	
	8		75		+	9.37			.86				
V.	Abundance	of Sh	orebir	ds:									
No. S	Sightings	No.	Birds		Bi:	rds/Sig	htin	g 	Bir	ds/Mi	le		
	0		0			0	)			0			
VI.	Abundance	of B	oobys:										
	Sightings		Birds		Bi	rds/Sig	htin	g	Bir	ds/Mi	le.		
T F	BF RF E	3* I	BF	RF B	T	BF	RF	В	T	BF	RF	В	
*****	0		0		····								
VII.	Abundanc	e of 1	Frigat	ebird	S:								
No. S	Sightings	No.	Birds		Bi	rds/Sig	htin	g	Birds	s/Mil	.e		
	0	T	0							0			
VIII.	Abundan	ice of	Flock	s:									
Total		otal   Birds	No.	Total F/Mi.		No. F		ng	No. I		ng	No. Fee F/MI.	ding
	5	96		.06		4	,		9	/		. 05	

DATE: 15 A	pr65 Tota	1 Minutes: 74	2	Total Miles 124
1. Total Abur	ndance of birds:			
No. Sightings	No. Birds Bir	ds/Sighting Bird	s/Mile	
63	360	5.71 2.	70	
II. Abundance	of the Shearwate	r-Petrel-Albatross	Group:	
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
T WI P B	T WT P B	T WT P B	T WT P	B
48-13-01	95-420-1	128 2:30 1	.77 34 0	0.0/
III. Abundanc	e of Tropicbirds:			
No. Sightings		Birds/Sighting	Birds/Mile	
T RT WT	T RT WT	T RT WT	T RT W	
202	202	1.0 0 1.0	, ( 2	02
IV. Abundance	of Terns:			
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
14	252	18.00	2,03	
V. Abundance	of Shorebirds:			
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
0		Ď	6	
VI. Abundance	of Boobys:			
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
r bf rf b	T BF RF B	T BF RF B	T BF RF	В
1100	1100	10100	,01.01	0
VII. Abundance	e of Frigatebirds:			
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
	0	0	0	
VIII. Abundano	ce of Flocks:			
Potal No. To	otal No. Total Nirds F/Mi.	No. Feeding Flocks	No. Feeding Birds	No. Feeding F/MI.
12 2	91 .10	7	254	rif.

DATE: 16 ()	Total	tal Minutes:	To	tal Miles 12
. Total Abu	ndance of birds:			
o. Sightings	No. Birds Bi	irds/Sighting Bird	ls/Mile	
106	378	3.75 3	. 18	
I. Abundance	e of the Shearwat	ter-Petrel-Albatross	Group:	
o. Sightings		Birds/Sighting		
WI P B	T WT P B	T WT P B	T WT P	B
31918	1305519	1.78 2.84 / 1.12	3 1,04.	07
II. Abundan	ce of Tropicbirds	§ • •		
Sightings RT WT	No. Birds T RT WT	Birds/Sighting T RT WT	Birds/Mile T RT WT	
7 / 1	2 / A	1,01,00	02.01	
Sightings	No. Birds	Birds/Sighting	Birds/Mile	
Abundance	of Shorebirds:			
. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
0				
. Abundance	e of Boobys:			
. Sightings		Birds/Sighting	Birds/Mile	
BF RF F	3 T BF RF E	T BF RF B	T BF RF	В
3				
I. Abundand	ee of Frigatebird	.S:		
. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
2	2	1.0	, 02	
II. Abundar	nce of Flocks:			
tal No.	Total No. Total Birds F/Mi.		No. Feeding Birds	No. Feeding F/MI.
2	277 .10	S. Comments of the comments of	7400	. 76

DATE: / 7 A Tota	l Minutes:	T	btal Miles
1. Total Abundance of birds:			
No. Sightings No. Birds Bir	ds/Sighting Bird	s/Mile	
83 690	8.31	143	
II. Abundance of the Shearwate	r-Petrel-Albatross	Group:	
No. Sightings No. Birds	Birds/Sighting	Birds/Mile	
T WT P B T WT P B	T WT P B  3.06 4.57 1 1.14	T WT P	B
III. Abundance of Tropicbirds:			
No. Sightings No. Birds	Birds/Sighting	Birds/Mile	
T RT WT T RT WT	T RT WT	T RT WT	7
21131		102,0216	2.0
IV. Abundance of Terns:			
No. Sightings No. Birds	Birds/Sighting	Birds/Mile	
22 486	22.09	3.83	
V. Abundance of Shorebirds:			
No. Sightings No. Birds	Birds/Sighting	Birds/Mile	
	/. 0		
VI. Abundance of Boobys:			
No. Sightings No. Birds T BF RF B T BF RF B	Birds/Sighting T BF RF B	Birds/Mile T BF RF	B
	Ø	٥	
VII. Abundance of Frigatebirds			
No. Sightings No. Birds	Birds/Sighting	Birds/Mile	
3 4	1.33	,03	
VIII. Abundance of Flocks:			
Total No. Total No. Total Flocks Birds F/Mi.	No. No. Feeding Flocks	No. Feeding Birds	No. Feeding F/MI.
10 591 .08	7	548	. 06

DATE: / 8	Tota	al Minutes:	<u>9</u>	btal Miles
l. Total Abur	ndance of birds:			
No. Sightings	No. Birds Bir	rds/Sighting Bird	s/Mile	
49	* 1	3.24 /	14.	
II. Abundance	of the Shearwate	er-Petrel-Albatross	Group.	
No. Sightings T WT P B	No. Birds T WT P B	Birds/Sighting T WT P B	Birds/Mile T WT P	B
652	60952	1.58.1.5 1 1	43,06,04	1,01
III. Abundano	ee of Tropicbirds:			
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
RT WT	T RT WT	T RT WT	T RT WT	
		0		
V. Abundance	of Terns:			
o. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
10	94	9,4	167	
. Abundance	of Shorebirds:			
o. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
		1. 1	101	
T. Abundance	of Boobys:			
o. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
BF RF B	T BF RF B	T BF RF B	T BF RF	В
2				
II. Abundanc	e of Frigatebirds	•		
o. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
0		0	0	
VIII. Abundan	ce of Flocks:			
Potal No. T	otal No. Total irds F/Mi.	No. No. Feeding Flocks	No. Feeding Birds	No. Feeding F/MI.
3	02	/	20	. 0 1

DATE: /	11/1	65	Tota	l Minutes	76	6	To	tal Miles 137
l. Tota	l Abunda	nce of b	irds:					
No. Sigh	tings I	No. Birds	Bir	ds/Sighti	ng Bird	ls/Mile		
	Ü	57		1.5		.34	-	
II. Abu	ndance of	the She	earwate	r-Petrel-	Albatross	Group:		
No. Sigh		No. Birds			Sighting		s/Mile	
T WI 1	P B 5	WT P	B /	T WI	P B		WT P	B
III. Abı	und <b>a</b> nce o	of Tropic	birds:					
No. Sight		No. Bird			Sighting		s/Mile	
T RT	WT	T RT	WT	T RT	WT	T F	RT WT	
	O.	<del>/ / /</del>			)	01.		
IV. Abur	ndance of	Terns:						
No. Sight	tings N	lo. Birds		Birds/S	ighting	Birds	s/Mile	
	3	† · · )		4	0		,04	
V. Abund	dance of	Shorebir	ds:					
No. Sight	tings N	lo. Birds		Birds/S	ighting	Birds	s/Mile	
		0						_
VI. Abur	ndance of	Boobys:						
No. Sight T BF	rings N	o. Birds	RF B	Birds/Si	ighting RF B		Mile RF RF	B
0	(	)		0		0		
VII. Abu	ınd <b>a</b> nce o	f Frigat	ebirds:					
No. Sight	ings N	o. Birds		Birds/Si	ighting	Birds/	Mile	
3		5		b	67		) 4	
VIII. Ab	undance	of Flock	S:					
Total No. Flocks	Tota Bird		Total N F/Mi.	lo. No. Floo	Feeding ks	No. Fe Birds	eding	No. Feeding F/MI.
	11		101	(	/	11		

DATE:	,	Ps 65	Total :	Minutes:	•	6	T	otal Miles
1. To	otal Abund	lance of bir	ds:					
No. Si	ightings	No. Birds	Birds	/Sightin	g Birds	s/Mile	-	
	37			2,03	1	72	-	
II. A	Abundance	of the Shea	rwater-	Petrel-A	lbatross	Group:		
	ghtings	No. Birds		Birds/S			s/Mile	
T WI	I P B	T WT P	B /	T WT	P B	T	WT P	<u>B</u>
72	- 5	3642	6	24.7	1 1, 2	.35	.07	10/4
III.	Abundance	e of Tropicb	irds:					
	ghtings	No. Birds		Birds/Si		Bird	s/Mile	
r Ri	T WT	T RT	WT	T RT	WT		RT WT	1
40	0	~ 0	0	10	0		0 (	2
IV. A	bundance	of Terns:						
lo. Si	ghtings	No. Birds	]	Birds/Sig	ghting	Bird	s/Mile	
	5	34		6,8		ı	7 3	
7. Ab	undance o	f Shorebird	S:				· · · · · · · · · · · · · · · · · · ·	
lo, Si	ghtings	No. Birds	I	Birds/Sig	ghting	Bird	s/Mile	
	0	$\circ$			0		E.	
T. A	bundance	of Boobys:						
lo. Si	ghtings	No. Birds	F	Birds/Sig	chting	Birds	s/Mile	
BF		T BF R		r BF	RF B		BF RF	B
)		0		9		0		
II.	Abund <b>a</b> nce	of Frigatel	oirds:					
lo. Si	ghtings	No. Birds	I	Birds/Sig	hting	Birds	/Mile	
	/			1, 5		,		
/III。	Abundanc	e of Flocks:						
Cotal Clocks	No. To	tal No. To		No. F	eeding	No. Fe	eeding	No. Feeding F/MI.
1	3	56	22	/		21		

DAT	E:	7.5 6.5	Total	Minutes:	752		Total	Miles_	125
1.	Total Abur	ndance of bi	rds:						
No.	Sightings	No. Birds	Bird	s/Sighting	Birds	/Mile			
	40	67	/	1,68	.5	4			
II.	Abundance	of the She	earwater	-Petrel-Albat	tross	Group:			
	Sightings	No. Birds		Birds/Sight		Birds/Mile	-		
T 27	WT P B	T WT P	B /	T WT P	B /	T WT .	P B		
III	. Abundanc	e of Tropic	birds:						
No.	Sightings RT WT	No. Bird	.s WT	Birds/Sight T RT W		Birds/Mile	e WT		
IV.	Abundance	of Terns:							
No.	Sightings	No. Birds		Birds/Sighti	ng	Birds/Mile	<u> </u>		
	13	29		2,23		, 23			
V.	Abundance	of Shorebir	ds:						
No.	Sightings	No. Birds		Birds/Sighti	.ng	Birds/Mile	9		
			-	0		0			
VI.	Abundance	of Boobys:							
No.	Sightings BF' RF B	No. Birds	RF B	Birds/Sighti T BF RF	ng B	Birds/Mile	-		
	DI II D	, Jr	rtr D	T Dr IVE	Б	T BF F	RF B		
VII	. Abundance	e of Frig <b>a</b> t	ebirds:						
No.	Sightings	No. Birds		Birds/Sighti	ng	Birds/Mile			
		0							
VIII	I. Abundan	ce of Flock	S:				,		
Tota			Total No F/Mi.	No. Feed Flocks	ing	No. Feeding Birds	-	. Feedin	ng
	/	7	0/	/		17	,	01	

DAT	E: 22 A	To	tal Minutes: 74	<u>2</u>	otal Miles 93
1.	Total Abun	dance of birds:			
No.	Sightings 29	No. Birds B	irds/Sighting Birds	s/Mile	
II.	Abundance	of the Shearwat	ter-Petrel-Albatross	Group:	
No. T 21	Sightings WT P B 2 3 3	No. Birds T WT P B 29334	Birds/Sighting T WT P B	Birds/Mile T WT P	B ,04
III.	. Abundance	e of Tropicbirds			
No.	Sightings RT WT	No. Birds T RT WT	Birds/Sighting T RT WT	Birds/Mile T RT WT	
	(, )	100	1000	,010	2
IV.	Abundance	of Terns:			
No.	Sightings	No. Birds	Birds/Sighting	Birds/Mile	
	5	43	6, 6	.46	
V a	Abundance o	of Shorebirds:			
No .	Sightings	No. Birds	Birds/Sighting	Birds/Mile	
	0			4	
VI.	Abundance	of Boobys:			
No.	Sightings BF RF B*	No. Birds T BF, RF E	Birds/Sighting T BF RF B	Birds/Mile T BF RF	B
2	200	2200	/	,0200	0
VII.	Abund <b>a</b> nce	e of Frigatebird	.S &		
No.	Sightings	No. Birds	Birds/Sighting	Birds/Mile	
				0	
Floc	l No. To	e of Flocks: tal No. Total	0	No. Feeding Birds	No. Feeding F/MI.
7		19 ,03		29	, 5 /

SI-MNH-955a

### SMITHSONIAN INSTITUTION

Rev. 4-9-64	DIVISION OF BIRDS	
	AT SEA DAILY OBSERVATIONS SUMMARY	
DATE: 23/	Total Minutes: 747	Total Miles / C
l. Total Abundance of bir	ds:	

DAT	E: 23/	10163	Total Minutes:	747	Total Miles /	08
1.	Total Abun	dance of bir	ds:			
No.	Sightings	No. Birds	Birds/Sighting	Birds/Mile		
	52	206	3.96	1.91		
II.	Abundance	of the Shea	rwater-Petrel-All	atross Group:		
No.	Sightings WT P B	No. Birds T WT P	Birds/Sig	ghting Birds/ P B T WI		
42	3 14 1	59317	1,40 1.00	1.21 1.00 ,55,0	3,16,01	
III	. Abundance	e of Tropicb	irds:			
No.	Sightings RT WT	No. Birds T RT	Birds/Sig	ghting Birds/ WT T RI		
		1 1	0 / 4 / 0			
IV.	Abundance	of Terns:				
No.	Sightings	No. Birds	Birds/Sigl	nting Birds/	Mile	
	10	145	1415		11	

No. Sightings	No. Birds	Birds/Sighting	Birds/Mile
10	145	14,5	1.34

V. Abundance of Shorebirds:

No. Sightings	No. Birds	Birds/Sighting	Birds/Mile
0	0		)

VI. Abundance of Boobys:

No.	Sigh	nting	S	No.	Bir	ds		Bi	rds/Si	ightii	ng	Bir	ds/Mi	ile	
T	BF	RF	$\mathbf{B}^n$	T	BF	RF	В	T	BF	RF	В	T	BF	RF	B
1	1	)	0	1	1	0	)	10	0	0	0	,01	.01	0	

VII. Abundance of Frigatebirds:

No. Sightings	No. Birds	Birds/Sighting	Birds/Mile
	0	0	0

VIII. Abundance of Flocks:

Total No. Flocks	Total No. Birds	Total No. F/Mi.	No. Feeding Flocks	No. Feeding Birds	No. Feeding F/MI.
4	145	,04	4	145	,04

### SMITHSONIAN INSTITUTION DIVISION OF BIRDS

AT SEA DAILY OBSERVATIONS SUMMARY

DATE: //// Total Min	utes: 754	Total Miles / 3.5
1. Total Abundance of birds:		
No. Sightings No. Birds Birds/Si	ghting Birds/Mile	_
27 68 2,	52 ,50	_
II. Abundance of the Shearwater-Pet	rel-Albatross Group:	
	rds/Sighting Birds/N	<u>Mile</u>
T WT P B T WT P B T	WT P B T WT	P B
al ( ) 0 d d d d ) 0	. 1 /6 ,0	3,02
III. Abundance of Tropicbirds:		
No. Sightings No. Birds Birds T RT WT T	rds/Sighting Birds/NRT WT TRT	Mile WT
	,01,0	
IV. Abundance of Terns:		
•	ds/Sighting Birds/N	<b>ก</b> รำไ⇔
5 // j	8.4 ,3/	
W Abundance of Chamabinda.		
V. Abundance of Shorebirds:	1. /a. 1.	
No. Sightings No. Birds Birds	ds/Sighting Birds/N	111e
·		
VI. Abundance of Boobys:		
No. Sightings No. Birds Birds T BF RF B T	ds/Sighting Birds/NBF RF B T BF	Mile RF B
VII. Abundance of Frigatebirds:		
No. Sightings No. Birds Birds	ds/Sighting Birds/Mi	ile
0		
VIII. Abundance of Flocks:		
Total No. Total No. Total No. Flocks Birds F/Mi.	No. Feeding No. Feed Flocks Birds	ling No. Feeding F/MI.
3 19 102	2 31	101

DATE:	5 /12 65	Total Minutes	76	5	Total Miles /4//
1. Total Ab	oundance of bir	ds:			
No. Sighting	gs No. Birds	Birds/Sightin	ng Birds	/Mile	
II. Abundan	nce of the Shear	rwater-Petrel-	Albatross	Group:	
No. Sighting T WI P		B T WT	Sighting PB	Birds/Mile T WT P	
III. Abunda	nce of Tropicb	irds:			
No. Sighting T RT WT	No. Birds T RT	WT T RT	Sighting WT	Birds/Mile T RT W	T
	ce of Terns:	Birds/Si		Birds/Mile	
		1,0		, 01	
V. Abundanc	e of Shorebirds	5 *			
No. Sighting	s No. Birds	Birds/Si	ghting	Birds/Mile	
			0	,01	
VI. Abundan	ce of Boobys:				
No. Sighting T BF RF	s No. Birds B' T BF RE	Birds/Si B T BF	ghting RF B	Birds/Mile T BF R	F B
	0110	0 1.0 1.0	0 0	,01,01	0
VII. Abunda	nce of Frigateh	oirds:			
No. Sighting	s No. Birds	Birds/Si	ghting	Birds/Mile	
	0		2	0	
			_	No. Feeding Birds	No. Feeding F/MI.
1		~	7		

DATE:	102000	Total	L Minutes:		774	I	otal Miles_	135
1. Total Ab	oundance of	birds:						
No. Sighting	gs No. Bir	ds Bird	ls/Sighting	g Bird	s/Mile			
23	3.1	,	1,35	12		-		
II. Abundan	ice of the S	hearwater	-Petrel-A					
No. Sighting	gs No. Bir	ds	Birds/S:	ighting	Biro	ds/Mile		
T WI P	B T WT	РВ	T WT	P B	T	WT P	В	
	3/80	7 3	1,13.0	0/	.13	001	02	
III. Abunda	nce of Trop	icbirds:						
No. Sighting T RT WT	s No. Bi		Birds/Si	ighting WT	Biro	ds/Mile RT WT		
1 / ()		***	2020					
			210 210	-	, 01,0			
IV. Abundan	ce of Terns							
No. Sighting	s No. Bir	ds	Birds/Sig	ghting	Bird	ls/Mile		
2	2		1,0		p. (	D /		
V. Abundanc	e of Shoreb	irds:						
No. Sighting	s No. Bir	ds	Birds/Sig	ghting	Bird	ls/Mile		
0	(	$\supset$		)		0		
VI. Abundan	ce of Booby	S #.						
No. Sighting		ds	Birds/Sig	hting	Bird	s/Mile		
T BF RF	B* T BF	RF B	T BF	RF B	T	BF RF	В	
	0	V	0		0			
VII. Abunda	nce of Frig	atebirds:						
No. Sighting	s No. Bird	ds	Birds/Sig	hting	Birds	/Mile		
0	(	)			1			
VIII. Abunda	ance of Floo	cks:						
Total No. Flocks	Total No.	Total N		eeding		eeding	No. Feed:	ing
TOCKO	Birds	F/Mi.	Flock	S	Birds		F/MI.	
	18 11 18						and the same of th	

DATE: 27 A	Total Minutes:	788	Tota	al Miles $153$
1. Total Abundance of	birds:			
No. Sightings No. Bir	ds Birds/Sightin	g Birds/Mile		
65 85	1,31	.55		
II. Abundance of the S	Shearwater-Petrel-A	lb <b>a</b> tross Group	•	
No. Sightings No. Bir			ds/Mile	_
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5500 5 690	04 1.1	33.45	0 0 ,0	-
III. Abundance of Trop	icbirds:			
No. Sightings No. Bi	rds Birds/S	ighting Bird	ds/Mile	
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4 4 0 6 6	1,5 1.5	0,05	,05 0	-
IV. Abundance of Terns	•			
No. Sightings No. Bir	ds Birds/Si	ghting Biro	ds/Mile	_
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V. Abundance of Shoreb	irds:			•
No. Sightings No. Bir	ds Birds/Si	ghting Bird	ls/Mile	
		>	6	
VI. Abundance of Booby	S:			•
No. Sightings No. Bir T BF RF B T BF	ds Birds/Sig	ghting Bird	ls/Mile BF RF B	3
		6		
VII. Abundance of Frig	atebirds:			
No. Sightings No. Bir	ds Birds/Sig	ghting Birds	s/Mile	
	Õ			
VIII. Abundance of Flo	cks:			
Total No. Total No. Flocks Birds				No. Feeding F/MI.
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DAT	E:	Tot	al Minutes: 79	Tot	al Miles 143
1.	Total Abur	ndance of birds:			
No.	Sightings	No. Birds Bi	rds/Sighting Bird	s/Mile	
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II.	Abundance	e of the Shearwat	er-Petrel-Albatross	Group:	
No.	Sightings WT P B	No. Birds T WT P B	Birds/Sighting T WT P B	Birds/Mile T WT P	B
10	<del></del>		1.26 0 1.0 0		Ô
III	. Abundanc	ee of Tropicbirds	<b>a</b>		
No.	Sightings RT WT	No. Birds T RT WT	Birds/Sighting T RT WT	Birds/Mile T RT WT	_
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IV.	Abundance	of Terns:			
No.	Sightings	No. Birds	Birds/Sighting	Birds/Mile	_
	el.	5	1. 57	.03	_
V a	Abundance	of Shorebirds:			
No.	Sightings	No. Birds	Birds/Sighting	Birds/Mile	
	Ó		0	0	
VI.	Abundance	of Boobys:			
No.	Sightings BF RF E	No. Birds T BF RF B	Birds/Sighting T BF RF B	Birds/Mile T BF RF	D
0	D1. TH. D	o it Dr Tur D	T BF RF B	T BF RF	<u>B</u>
VII	. Abundanc	e of Frigatebird	S:		
No.	Sightings	No. Birds	Birds/Sighting	Birds/Mile	
	)	0		0	
	al No. I	ce of Flocks:		No. Feeding	No. Feeding
Flor	CKS E	Birds F/Mi.	Flocks	Birds	F/MI.

DATE: 2	9 Hos	j To	otal Minutes:	784	Total Miles /2
1. Total	Abundanc	e of birds	•		
No. Sight	ings No	. Birds	Birds/Sighting	Birds/Mile	
48	8	70	1.46	.56	
II. Abund	dance of	the Shearwa	ater-Petrel-Alba	tross Group:	
No. Sight:		. Birds	Birds/Sigh		ile
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58 / /	0 51	110	15/10/10	0 ,44 .01	.0( 0
III. Abuı	ndance of	Tropicbir	is:		
No. Sight:		o. Birds	Birds/Sigh		
T RT I		RT W			WT
	0 /		1.0 (		
IV. Abund	dance of	Terns:			
No. Sighti	ings No	. Birds	Birds/Sight:	ing Birds/M	ile
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V. Abunda	ance of S	horebirds:			
No. Sighti	ings <b>N</b> o	. Birds	Birds/Sight:	ing Birds/M	ile
/		1	1,0	,01	
VI. Abund	lance of	Boobys:			
No. Sighti	ings No	. Birds	Birds/Sighti	ng Birds/M	ile
	RF B T		B T BF RF	B T BF	RF B
2	(2)		(3)	0	
VII. Abur	ndance of	Frigatebir	ds:		
No. Sighti	ngs No	. Birds	Birds/Sighti	ng Birds/Mil	le
2	)	2	1.0	.02	
VIII. Abu	andance of	Flocks:			
Total No. Flocks	Total Birds	No. Tota	l No. No. Feed Flocks	ling No. Feedi Birds	ing No. Feeding F/MI.
17	6		a	49	(2)

DATE: SOA	or 65 Tot	al Minutes:	383	Total Miles 5 7
1. Total Abund	dance of birds:			
No. Sightings	No. Birds Bi	rds/Sighting	Birds/Mile	
//\	NO S DILLOS DI	a a second	7.45	
II. Abundance	of the Shearwat	er-Petrel-Alba	tross Group:	
No. Sightings	No. Birds	Birds/Sigh		
T WI P B	T WT P B	T WT P	B T WT P	
		1199 3,3	2.724.13	103
III. Abundance	e of Tropicbirds	<b>6. 6</b> 1		
No. Sightings	No. Birds	Birds/Sigh		
T RT WT	T RT WT	T RT W	T RT W	T
IV. Abundance	of Terns:			
No. Sightings	No. Birds	Birds/Sight:	ing Birds/Mile	
84	273	3, 25	4,07	
V. Abundance c	of Shorebirds:			
		7. 7. /0. 7.		
No. Sightings	No. Birds	Birds/Sight:	ing Birds/Mile	
	(-)	E1		
VI. Abundance	of Boobys:			
	No. Birds	Birds/Sight:	ing Birds/Mile	
T BF RF B	T BF RF B	T BF RF	B T BF R	F B
		. 3	5,0,52 0 ,43	107
VII. Abundance	e of Frigatebird	S:		
No. Sightings	No. Birds	Birds/Sight:	ing Birds/Mile	
8	9	1.13	13	
VIII. Abundanc	e of Floores			
	tal No. Total	No. No. Feed	ling No. Feeding	No. Feeding
	rds F/Mi.		Birds	F/MI.
1 21	05 .10	4	133	06

PSH Thompson
Ely Sibley
Winty Sechel
American King

### B. C. F. Townsend Cromwell April 1965 Cruise

The April 1965 Townsend Cromwell cruise, from 11 April to 1 May, was the 14th of a series of 16 cruises conducted by the U. S. Fish and Wildlife Service's Bureau of Commercial Fisheries covering a fixed grid to the south, north, and east of the high Hawaiian Islands for the purpose of determining variations in the water types and currents of this area.

This was the 13th cruise in which Pacific Project personnel have taken part, maintaining daily sunrise to sunset bird observations.

Onservations on this cruise totalled 244.0 hours. In addition Project personnel aided in recording weather observations and in recording bathythermographs. Project personnel were Vincent Hoeman and Warren King.

Warren B. King Research Assistant Pacific Project

#### General Discussion

The substantial increase in numbers of flocks between this month's total (78) and the total for April 1964 (27) is somewhat balanced by the difference in mean flock size. (29 birds per flock this month and 69 in April 1964).

Direct migrants accounted for 13.5 o/o of the month's total (4068), and wintering birds accounted for an additional 10 o/o. The remainder is accounted for by birds breeding in the Central Pacific (71.5 o/o) and by unidentified birds (5 o/o). The large buildup in numbers of direct migrants, predominantly Sooty Shearwaters of the first week of April 1964 was felt to have come during the in-port period between the March and April cruises this year, so that direct migrants did not attain anything near the 49 o/o level they did on the March 1964 cruise. March and April 1965's total numbers compare quite favorably.

Overall distribution of the predominant species (Sooty Tern, Wedgetailed Shearwater) varied slightly between this month and April 1964. Greater concentrations were found along the 154° W leg down to 10°N and relatively fewer birds were seen around Oahu and in the southeastern corner, although these two areas were still fairly active.

Of special interest was the sighting of two mixed flocks of Leach's Petrels and Bulwer's Petrels. New high totals were recorded for Leach's Petrel (297) and for Pomarine Jaeger (60), the latter enjoying the most widespread distribution noted for the species as well. Blue-gray Noddies were sighted for the first time. Significant sightings included a possible New Zealand Shearwater, a possible Herald's Petrel, a gull, two long-tailed

Jaegers, 27 Arctic Terns, a Bonin Island Petrel, 2 Pale-footed Shearwaters, and 3 Dark-rumped Petrels. Mottled Petrels were observed in springtime for the first time on these cruises.

The data should be comparable for those of previous cruises.

#### Species Account

#### Black-footed Albatross

The range and numbers of this species were very similar this month to those of April 1964. Birds were seen only in the northern quarter of the area although one bird was attracted south to 17° N on the 151° W leg. Numbers decreased from March's total of 76 to 26 this month. One bird was banded on 12 April.

#### Laysan Albatross

Three birds were seen this month, all in the northern quarter of the area. One followed the ship for five hours. Three were seen in April 1964 in the same general area.

#### Wedgetailed Shearwater

The 519 Wedge-tails seen in April were concentrated in the western half of the area, over half of which were within 50 miles from the high Hawaiian Islands. A small secondary concentration in the southwestern corner was chiefly of southern dark phase birds. This secondary concentration of dark phase birds was found in the southeastern corner in April 1964. Numbers increased 16 o/o from March, a rise of questionable significance. All of the northern birds had distinctly fresh breeding plumage.

#### New Zealand Shearwater

One bird possibly of this species was observed closely on 13 April. The presence of this species in the area is still suspected but has not been confirmed.

### Sooty Shearwater

This species continued its spring migration this month, with 507 birds recorded compared with 382 in March. The first week of April, when the peak of the spring 1964 migration took place in this area, was not included in this month's period of observation. It may well have been the migration peak this spring as well as last. Several birds were seen taking part in feeding flocks, but most were flying swiftly and directionally to the northwest.

#### Newell's Shearwater

Most of the 26 birds seen in April were spread over the southeast and central portions of the area. No concentration was noted. Only 12 were seen in April 1964.

#### Christmas Island Shearwater

Four individuals were seen, two between Kauai and Oahu on 11 April.

#### Pale-footed Shearwater

Two birds were recorded in April, both heading north. This species was unrecorded last spring but its presence in the area was suspected.

#### Mottled Petrel

Ten individuals were observed in April, all heading north in a manner similar to Sooty Shearwater. This species presence in the central Pacific was not suspected last year.

#### Kermadec Petrel

One bird, a dark phase, was seen on 20 April. This is the first spring (March-June) sighting of this species in the area.

#### Dark-rumped Petrel

Three were seen in April, all under good light conditions. Two were in the southeast corner and the third was 200 miles north of the high Hawaiian Islands.

#### Juan Fernandez Petrel

All of the 21 birds seen this month were in the southeastern corner.

Most had splotchy plumage, indicating the beginning of molt in this species.

Numbers seen were consistent with the low totals noted for Jan-April in both 1964 and 1965.

#### Herald's Petrel

One bird observed at close range but in poor light on 19 April may have been this species.

### Cook's Petrel

One was seen on 24 April toward the southeastern corner of the area.

A substantial increase over the January-April low is expected in May.

#### Bonin Island Petrel

One bird was seen in good light on 28 April, 250 miles north of the high Hawaiian Islands. This species occurs only rarely in the BCF area. The possibility of confusion with the similar Cook's Petrel make positive identification difficult under any other than optimum observation conditions.

### Bulwer's Petrel

The spring migration of this species into the BCF area has begun. Most of the 96 individuals seen this month were found in the western half of the area, and generally south of the high Hawaiian Islands. This distribution pattern is similar to April 1964's but the numbers seen this month indicate that the migration is further underway than it was at the same time last year.

Of interest was the observation of two flocks of Bulwer's Petrels and Leach's Petrels, one on 17 April of 20 Leach's and three Bulwer's and again on 22 April of five Leach's and two Bulwer's. The birds were not actually seen feeding but both flocks were fairly tightly packed. This was the first time in 13 cruises that these two species have been observed flocking together in this manner.

#### Leach's Petrel

An all time high of 297 birds was recorded this month. Numbers were distributed over the entire area, evidently in a random manner. Many were flying rather directionally to the north. This peak in numbers corresponds with a similar peak recorded in April 1964 as the birds migrate north for the beginning of their breeding season.

For notes on two flocks involving numbers of this species see the preceeding Bulwer's Petrel remarks.

Two were collected.

### Red-tailed Tropicbird

The 19 birds seen this month were distributed again in a relatively random manner. The slight increase in numbers from 13 in March is probably of no significance.

#### White-tailed Tropicbird

Three of the eight seen in April were within 20 miles of Kauai.

The rest were distributed randomly over the area.

#### Blue-faced Booby

One of the five seen this month was at 17° N; the others were at the extreme southern end of the area, where most of the birds of this species have been seen. Numbers were consistent with past months.

#### Brown Booby

Five birds were seen in a feeding flock just 10 miles north of Oahu on 30 April.

#### Red-footed Booby

Only one of the 46 seen in April was more than 50 miles from Oahu. It was an immature which came aboard at 18°N during the day. It was banded, notes were taken on its plumage and soft part colors, and it was released.

#### Great Frigatebird

Out of 26 birds 16 were seen within 100 miles of the high Hawaiian

Islands this month. All were within 300 miles of land. Larger numbers

of Frigates have been seen in the past two months (19, 26) than in 1964 (4, 2).

The difference is felt to be significant, but no explanation is readily

forthcoming.

### Arctic Tern (?)

Twenty-seven birds probably Arctic Terns but possibly common Terns were observed heading north, usually in groups of two, in April. A similar northward migration was noted in April 1964. The birds were seen often to

feed by hovering, diving from heights in excess of 30 ft, and flying off from the surface of the water. Several times birds were seen for the first time rising from the water as if they had been sitting on it, but no bird was actually observed sitting on the water.

#### Common Noddy

Of the 420 Noddies seen in April, 22 were seen on three separate days in excess of 50 miles from land. One flock of five was found at 15° N, over 200 miles from nearest land. Observation of Noddies this far from land, while not unprecedented, is nevertheless unusual.

#### Sooty Tern

Numbers decreased 22 o/o from March's total of 2133 to 1655 in April. Greatest concentrations occurred around the high Hawaiian Islands and along the 154° W leg south to 10° N. The difference between April's and March's totals was due largely to the relative lack of birds (97) seen north of Oahu this month. Such a concentration was evident in April 1964 (750 birds). A shift to more southerly feeding grounds on the part of Sooties this April would explain this inconsistency.

#### Fairy Tern

Numbers remained constant from March to April, 24 this month and 23 last month. The complete absence of this species from the area in April 1964 is puzzling in light of the numbers seen in 1965. Two-thirds of the birds seen this month were within 100 miles of the high Hawaiian Islands.

#### Blue-grey Noddy

At least one and possibly two more Blue-grey Noddies were seen shortly after Leaving Port Allen, Kauai. This is the first sighting of this species on a <u>Cromwell</u> cruise, even though the birds were seen in an area previously unsampled by the ship:

#### Pomarine Jaeger

A new high total of 60 Pomarine Jaegers was recorded in April. Many of these were seen at a considerable distance from land, up to 500 miles. Most were headed north. Several were observed to chase birds in feeding flocks. Wedge-tailed Shearwaters, Sooty Terns, Arctic Terns, Red-tailed Tropicbirds, and even a Frigatebird were among their "victims". Many had fine adult breeding plumage with prominant twisted central rectrices.

#### Long-tailed Jaeger

Two small jaegers, one a light phase and the second an intermediate phase, which had very prominent pointed central rectrices in excess of four inches were presumed to be this species. In addition, 10 more were termed jaeger species. Several or most of these may have been long-tailed Jaegers but their central rectrices were not as well developed.

#### Red ? Phalarope

Four phalaropes, probably Red Phalaropes, were seen in April, the tail end of the spring northward migration which reached its peak in March in 1964 and 1965.

#### Gull species

On 22 April a bird which could only have been a gull was described in detail by the best informed of the crewmen on watch. It was medium sized and presumably in adult plumage.

### April 1965 - BCF Cruise

### TABLE I

Date	Minutes of Observation	Miles Covered
April 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	590 750 747 736 742 750 757 759 766 758 752 742 747 754 765 774 788 793 784 303	114 112 124 87 124 125 127 140 137 104 125 93 108 135 141 135 143 125 67
Total	14,637	2,420
Average	7 32	121

TABLE II

Date	Total Birds	Total	Birds	Birds	Flocks	Total Birds
		Sightings	Sighting	Mile		in Flock
April 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	603 251 88 230 360 398 690 159 57 75 67 82 206 68 23 31 85 30 70 499	166 134 76 103 63 108 108 108 108 108 108 108 108 108 108	3.87 1.23 1.16 2.77 1.31 1.30 1.31 1.31 1.31 1.31 1.49	5.24 .29 .29 .29 .29 .29 .29 .29 .29	1310512103121343001007	376 14 0 96 291 277 591 102 136 17 49 145 39 0 0 6 0 0 205
Total	4068	1351	53.85	37.55	78	2255
Average	e 203.4	67.6	2.69	1.88	3.9	112.8

TABLE III

Date	Procellariiformes	Tropicbirds	Terns	Boobies	Frigatebirds
April 11, 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	204 218 78 153 95 130 196 60 32 36 37 29 59 22 16 18 69 24 57 182	3012230120111326110	346 30 752 2506 491 34 93 14 14 12 85 73	15 100100000021010000 35	120002405100000000029
Total	1715	31	2134	56	26
Avera	ge 85.8	1.6	106.7	2.8	1.3

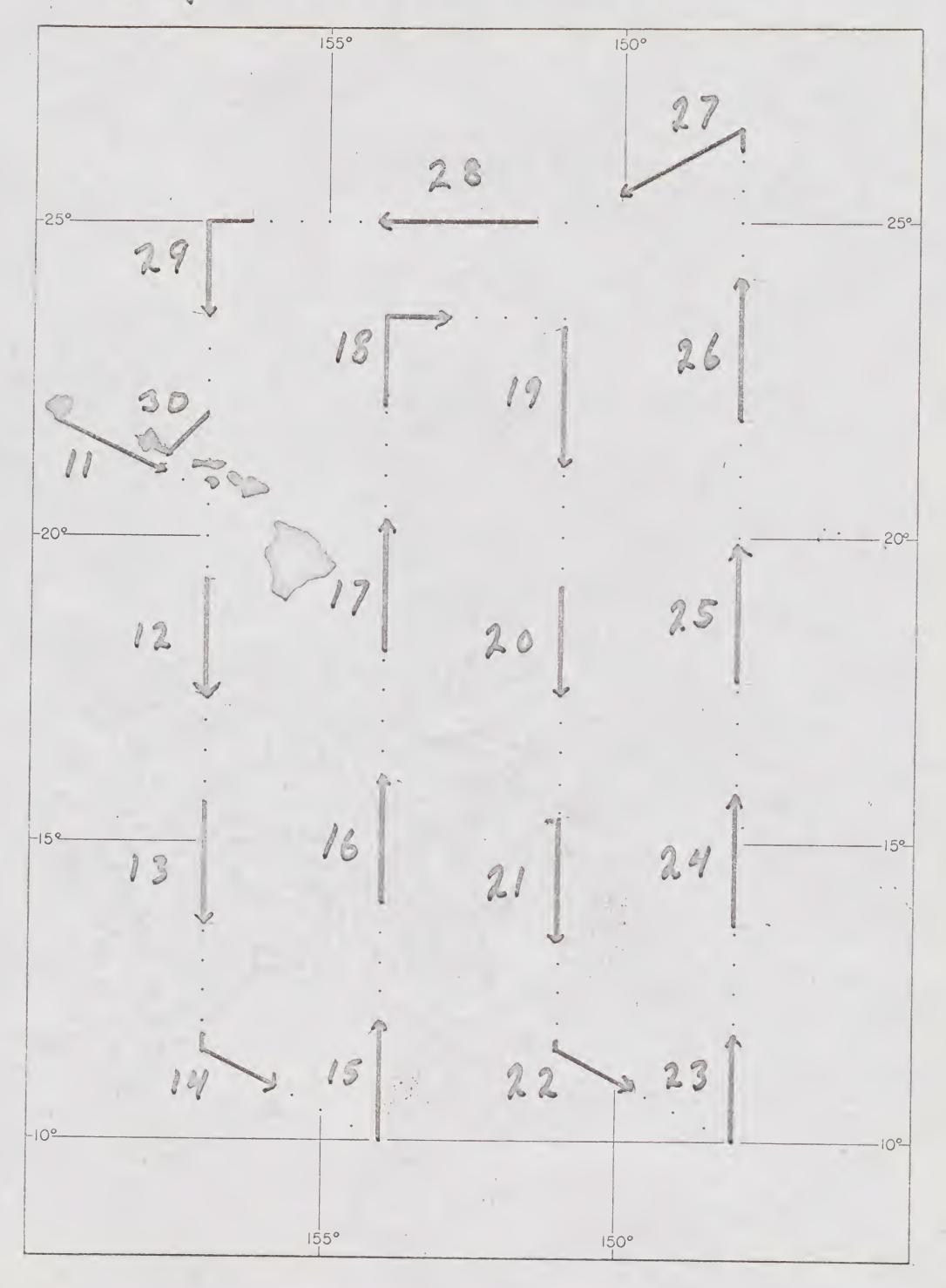
TABLE IV
Procellariiformes Breakdown

Date	Black-footed Albatross	Laysan Albatross	Wedge-tailed Shearwater	Sooty Shearwater	Newell's Shearwater	Christmas Island Shearwater	
11 April 65 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	110000043100000009421	000000110000000000000000000000000000000	95 21 6 7 4 2 5 6 4 9 1 4 1 0 0 0 0 1 1 4 3	80 178 36 44 20 31 711 60 57 32 12 80 18 28	3000613275400100000	200011000000000000000000000000000000000	
Total	26	3	519	507	26	4	

### Procellariiformes Breakdown

Date	Mottled Petrel	Juan Fernandez Petrel	Bulwer's Petrel	Leach's Storm Petrel	Miscellaneous and unidentified Procellariids	
11 April 65 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	01000125010000000000	000000000000000000000000000000000000000	271241962161410034003	13 8 12 24 10 22 28 5 18 7 5 9 13 10 11 12 45 18 32 2	8 2 12 4 15 10 66 21 1 2 11 4 23 3 3 1 2 2 4 5	
Total	10	21	96.	304	199	

April 1965 Daylight observation locations



### April 65 Birds in flocks 2255 (28)

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95 (2)(1)(2)	50 . (1)	7 (1)(2)	80 · (2) 65 · (2)	10°
	155°	150°		

# April 65 Black-footed Albatross 26 Lagsan Albatross 3

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April 65
Newell's Shearwater 26
Christmas Island Shearwater 4
Dark-rumged Petrel 3
Tuanfernandez Petrel 21

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Mottled Petrel 10

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## April 65 Bulwer's Petrel 93.

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April 65
Red-tailed Tropic bird 19
White-tailed Tropic bird 8
tropic bird species 5

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## April 65 Sooty Tern 1655

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April 65
Acted Books 16
Clas-Faced Books 5
Fairy Term
Great Frigatebird 86

155°		150°	
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April 65
Pomarine Jaeger 60
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DATE

TIME	FAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	[														
-0200															
0300 0-00 0-00															
00															
0-00															
0500															
0700															
0800															
0900	2154	159 36													
1000	2147	159 26													
1100	2   4/1	159 16													
1200	2135	157 04			The second second										
1300	2130	156 53									200				
1400	2/25	1.58 43													
1.500	2/19	15 (4 3 3													
1,00	2113	158 23													
1700	21 00	1= 1													
	21 00	158 00													
1,900	20	15/ 30										0110	05.11	100	52-12
2000	7. 0		02	10	1015.1	24.0	19					1-1,7	04	100	22-14
2100															
2200	20 10	15/													
2300															
2400															

REMARKS:

$$\frac{2}{3} = \frac{1}{6}$$
 $\frac{2}{3} = \frac{1}{6}$ 
 $\frac{2}{3} = \frac{1}{6}$ 

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE:

TIME	FAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	20 19	157 06													
0200	20 00	157 03	03	10	10143	23.5	19	!	3		60.6-5	24.8	2.2	50	5-1
0300	1955														
00	19 43	15701													
C-00	119 32														
0.00	119 21	157													
0,400	19 11	157 00													
0800	19 01	15658	03	10	10129	23.3	20		6		120-8-10	227	48	120	
> 0900	18 55	15/													
1000	18 47	156 57													
1100	18 42	156 57		7.0			9.5					a first constitution			
1200	10														
1300	18 23	156 59													
1400	18	157 00	0.5	10	10131	23.8	20		8		110.8-7	2-4.1	19	100	0-12
1.500	17.59	157 01												· · · · · · · · · · · · · · · · · · ·	
1700	17 49	157 01		500 N			* * * * * * * * * * * * * * * * * * * *								
1700	17 27	157 01													
- 1900	17 2 7					75	*								
cital in the same		The second second second second second	(1) 2	10	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2							2	21		
2000	17 17	156 59	02	10	1013,9	24.8	26				110-10-6	241	20	120	C .
2200	16 58	156 58												The state of the s	
2300	1646	156 59			2 85 5 FEB.	the Commence of the Commence o	· · · · · · · · · · · · · · · · · · ·			1					
2400	The second liver with	157.00													
	REMARKS:										d.				

SI-MNH-955c

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE 13 April 1965

TIME	FAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	1: =5	157 01												1	
0200	16 15	157 01	0.1	10	1013 8	24.8	22	1	7		110-8-5	21/5	21	110	
0300	16 03	17 3													
.00	10 09	157 01													
C-00	15 52	157 00													
0,00	15 41	157 0													
0700	15 30	157 00													
, 0800	15 19	157 00	02	10	1014.3	22.9	22		8		120-6.5	246	17	120	5-12
0900	15 08	157 00													
1000	19 57	157 00													
1100	15/15/16	1500													
)1500	/ < 300	157 20													
7 \$1300	3,5														
(1400	2.6		0	10	1014.3	24,0	23		7		120-6-5	2 4	12	120	3/2/2
1500	-7			600° E 11 2 2											
1,00	17 3	156 8		Mary • 1											
1700	1550	156 8													
1800	1330	15													
<u>1900</u> 2000	172 10	156 50													
A STATE OF THE PERSON NAMED IN	12.10	156 58	02	10	1014.5	25.8	23.	mes	]3		130-6-5	6	13	16/0	
2100	11.00	155 57				-									
2200		1-6					transferri barbert sie onet in de								
2400	17.5-	156 57											A New York		
2,700	REMARKS:	33 /													

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE 14 April 1965

CIME	FAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	12 45	157 56													
0200	12 33	156 55	03	10	1014,5	25.5	22	'	7		130-6.2	7 5, 7	10	د م	
0300	12 21	156 55													
00	1289	1 = 5 %													
C-00	1157	156 54	2												
0.00	11 46	1-6 5													
4 30700	11 7 7	156 54											4.6		5 5 - 12
0800	11 29	156 5%	03	10	1014,6	65,4	2.3		8		130-6-5	35,4.	10	)	1,5 1,5
0.900	7 7	156 54													
1000	7	156 55													
1100	11 70	156 56												-	
1200	11 22	156 37											1		
> 1300	1, 17	12 21	02	10	1013.0	26.0	2 2				110-6-3	25,4	( )	40	52-17
1500	11 13	136 22			777 51 5	20.0									
1,00	11 07	15- 11				The second of th									
1700	11 01	155 59													
1800	10 =6	155 48													
1900	14 51	155 39													
2000	10 46	155 30	02	10	1017.2	26.0	23		8		90-6-3	75.4	12	80	
2100	10 4 7	155 26													
2200	10.38	155 17								N. Committee of the com					
2300	33	155 07													
2400	10 26	154 55										i			
	REMARKS:														

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE 15 April 1965

TIME	TAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	10 z/	154 43							T						
0200	10 16	154 34	01	10	1011.7	25,4	22	'	6		100-6-3	26,1	11	8 0	1
0300	10 10	154 25													
, 00	10 04	154 17													
0-00	10 00	154 05													
0000	10 00	15/05													
0700	10 07	1-1 05													
0800	10 19	154 04	0/	10	10/2.1	25.8	21		5		10-6-3	26.1	16		17-17
0900	76	154 69													
1000		154 04													
1100	15 50	154 04													
1200	11 23	151 04													
1300	11 14	154 03													
1400	11 26	154 02	0	10	1011.1	26.2	22		4		90-6-3	26,4	13	00	1/-12
1500	30	154 02													
1,00	11 33	154 07				7.54									
1700	46	1-1 07													
1800		3=													
1900	12 10	154 02			and the second s										
2000	12 22	154 02	07	10	1012,0	15,4	21	7.50	3		70.6:3	25.7	12	Continuous of the first of the second	N-12
2100	12 27	154 02				-						- Inches			
2200	12 40	124 02					Section of the sectio								
2300	12 52	154 01													
2400	REMARKS.	154 00													

REMARKS:

SMITHSONIAN INSTITUTION DIVISION OF BIRDS AT SEA SURVEY CHART C

SI-MNH-955c 3-4-64 DATE 16 Apr 65

TIME	FAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	1301	154 00													
0200	13 09	154 20	02	10	1012 6	74.9	21	\$	3		70-6-3	25,7	12	70	N=12
0300	13 22	154 00													
00	13 5	157 59													
C-00	13 48	153 58													
0000	19 61	151 50													
0700	14 09	153 51													
0800	1421	153 59	13	10	10132	24.3	21		7		70.6.3	254	08	90	N-12
0900	1434	153 59				Checken A-1-26 Minter									
1000	1437	157 59													
1100	14 48	153 59													
1200	14 =9	150 59				A Partie									
,1300	15 11	154 00													
1400	15 23	154 00	02	25	10123	25.3	21		3		100-6-2	75.8	04	120	N-12
1500	15 3	154 00													
1,00	15 48	154 00													
1700	16 00	154 01													
1800	1600	154 01													
1.900	16-11	154 01													
2000	1624	154 00	02	25	10114	24.8	20		2		100-6-2	25.8	05	40	N-11
2100	1630	154 00			A 16 3 1										
2200	16 42	154 00		,											
2300	1654	15 51					The second of the second second								
2400	1707	15 59													

REMARKS:

DATE 17 April 1965

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

TIME	FAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	17 20	153 59												1	
0200	17 32	153 58	(*) 3	25	1012.1	23.5	2.1		1-2		100-6-2	24,6	06	140	Nell
0300	17 24	157 58													
00	1746	15. 58													
0-00	17 59	153 57													The second secon
QU00	18 10														
0700	18 23	15 3 58													
0800	18 34	153 58	03	25	1013.0	23,9	21		6		180-6-2	23.7	12	190	14-12
0900	18 14	(5)													
1000	1836	15358													
1100	18 49	153 59											The second second second second second second		
1200	19 02	154 00													
1300	19 05	174 30													
1400	19 18	1-3 -9	57	25	10/17	25,4	2.1		7		150-6-4	242	14	700	11-115
1500		153 58													
1,00	1944	153 58													
1700	1956	153 57													
	20 19	153 56													
1900	2022	153 55													
5000	2031	153 54	02	.72	111.8	2. 4.1	20		7		150-6 4	242	10	200	
2100	20 31	153 54							•						
2200	20 42	153 54		'											
2300	20 55	153 54							·						
2400	2108	153 54										No.			
	REMARKS:														

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE 18 April 1965

TIME	TAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	12120	15.76													
0200	2132	153 57	02	10	1011.4	22,9	19		8		30016-4	23,3	16	300	SIN
0300	21 42	15. 58													
00	21 55	154 00													
80000	2157	154 00													
70000	22 07	159 00													
130700	55 50	154 00													
20800	37- 37	154 00	02	10	1012.0	2212	1-9		8		280.6-4	23.0	15	300	N 15
0.900	1 44	151 00													
1000	72 56	15359													
1100	= 3 09	-3 -7													
1200	7	157 -6													
1300	27 -0	15- 50													
11400	2	15. 58	02	10	1012.9	22.1	15		7		300.€4	The hour of	16	320	NIZ
1500	23 70	153 44													
1,00	23 7	157 310													
1700	23 31	17 17													
1809	23 37	15- 04													
1900	127 15	15251													
2000	23 3	152 37	02	10	1013.1	21.5	15		8		300.6-4	22.7	15	340	t 12
2100	23 33	152 30											-		
2200	23 32	152 18			2.5										
2300	2-3 31	15201													
2400	ブ・フィ	15.1 55													
	REMARKS.														

REMARKS:

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE 17 4 2/1/ 1765

TIME	FAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	23 30	151 12			T .										
0200	77 -01	151 29	02	10	1013.9	20,8	15	,	8		300 6-4	22.6	16	7,70	EIZ
0300	53 - 9	151 15													
00	5 1-1	151 02													
C-00	4 7	151 67													
0500	23 18	1510													
0700	27 28	151 04													
0800	- 57	15 04	01	FB	101514	20,9	13		3		320-6.4	21.5	6	36	512
0900	25 45	151 07													
1000	-23	151 07													
1100	222/	1510-													
1200	2 2 10	151 31													
1300	22 00	151 00			No live to an annual to the second										
1400	21 59	151, 00	02	10	1015,2	22.7	17		3		3726-4	23,4	5	50	812
1500	21247	151 20													
1,00	21 35	150 59													
1700		50 58													
1800	2	150 57													
1900	21 00	150 57													
2000	70 47	150 57	02	10	101519	23,0	19		\$		730.5-5	3 1 5	12	70	512
2100	70 43	150 60												an an Anna an	
2200	20 31	15050									Mi			A CONTRACTOR OF THE PARTY OF TH	
2300	703/	150 50									· ·				
2400		1- 59										and the second s			
	REMARKS.														

REMARKS:

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE 20 April 1965

TIME	F,AT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEM	P WIND S	WIND D	SHIP COURSE/SPD.
0100	7000	15058										-			
0200	1954	150 58	50	10	10/6,2	22.5	19		<del>2</del>		330-6-4	22.5	8	70	512
0300	19 42	150 58													
. 00	19 30	150 SE.													
C-00		154 58													
0000	1900	150 59				The state of the s									
0700	19	150 59													
0800	18 50	15100	02	10	1016.6	2.3.4	71		8		60-6-5	23.9	14	60	512
0900	8 40	15/													
1000	18 70	151 01		-											
1100	18 18	151 0													
1200	1006	151 01													
1300	17 5	151 01													
1400	17 4 2	15100	01	10	1014.9	P24,2	2-1		3		60-6.5	24,6	19	60	512
1500	17 31	15059													
1,00	1731	15059													
1700	1731	15017													
1800	1729	15059													
1900	1717	15059													
2000	1706	15059	01	10	101511	24,3	2-1		Zor		60-6-5	24.9	18	80	512
2100	16 59	150 59													
2200	16 48	15059													
2300	16 36	15100					his Maria and a second aspect than in the contract of the cont								
2400	1/624	15100													
	DEMADICO.				E	* N		The second secon							

REMARKS:

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE 21 April 1965

0100   /2   /3   15 / 6 /   02   19   10 / 49   24.2   20   4   69   6-7   24.9   24   70   71.7   0200   /6   01   15 / 10   02   19   10 / 49   24.2   20   4   69   6-7   24.9   24   70   71.7   0200   /5   50   75 / 10   02   03   70   70 / 51.2   0200   75   75   75   75   75   75   75	TIME	F,AT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEME	WIND S	WIND D	SHIP COURSE/SPD.
0300   15 0 0   15   00 0	0100	16 13	15/01												1	
0300   6 0 0   5   5 0   5   0 0 0 0 0 0 0 0 0 0	0200	16 01	15/01	03	10	10/49	14,2	20		44		60-6-7	24.9	19-1	70	513
C-00	0300	16 00	15100					•								
000		15 50	15/00													
O(00   15   03   15   04   01   70   70   60   24.3   21   5   80.6-5   24.7   17   70   5/2     O(00   14   52   15   04   01   70   70   60   70   70   60     O(00   14   52   15   04   01   70   70   60   70     O(00   14   52   15   04   01   70   70   60   70     O(00   14   52   15   04   01   70   70   60     O(00   14   52   15   05   00   70   70   70   70     O(00   14   52   15   05   00   70   70   70   70     O(00   14   52   15   05   00   70   70   70   70     O(00   14   52   15   00   70   70   70   70   70     O(00   15   57   15   70   70   70   70   70   70     O(00   15   15   70   70   70   70   70   70   70   7	0-00	15 .36														
0800   15		15 24	15102													
1000   14   42   15   04	- THE REAL PROPERTY AND ADDRESS OF THE PERSON NAMED AND ADDRES	15 13	151 03													
1000   14   37   15   05	0080	15 03	15/24	01	10	1016,0	24.3	2-1	1	5		80-6-5	24.7	17	70	512
1100 14 37 15 1 05	10200	17 52	15 04													
1200 14 31 151 05	Company of the State of the Sta	14 92	13/04													
1500 18 5 7 16 1 6 7 0 10 19 9 1 10 10 19 9 1 10 10 10 19 9 1 1 10 10 19 9 1 1 1 1	1200	14 71	151 65													
1500 18 5 7 16 1 6 7 0 10 10 10 10 10 10 10 10 10 10 10 10 1	1300	10/ 7	151 03													
1500   7   7   6   6   7   6   7   6   7   7	Caral Carana	14 09	151 64	#5 B	/ 0	latu a	25.09						500g g		25 p.	
1700 133		13 57	1510			101410	Car mot 3 f					18:-6-5	the Dead	16	/ 6	per 1
1800 1900 1910 1910 1910 1910 1910 1910	1,00	13 46	151 02					200								
1800 1900 1816 1900 1900 1900 1900 1900 1900 1900 19	(D1700	136	151 01				7.7.01									
2000   3 6 6 7 6 7 6 7 7 6 7 7 7 7 7 7 7 7 7 7	1800		151 00			1200										
21.00	1.900	18 15	51 00													
21.00	AND REAL PROPERTY.	130,	15/ 00	03	10	1014.2	25,0	20		3		70-6-5	75,5	2 7-	60	5-12
2300 12 5		12.51							and the second of the second	and the second			and the same of the same	The second	a profession of the second section of	
		12	15/ 50.													
	AND PERSONS ASSESSED.	13 %														
REMARKS:	2400	1	20 00			į.										

SMITHSONIAN INSTITUTION DIVISION OF BIRDS AT SEA SURVEY CHART C

3-4-64
DATE 22 April 65

CIME	JAT .	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	12 31	161 00		*		·									
0200	15 30	150 59	15	10	1014,6	24.3	3-0-3		7		60-6-6	2516	22	50	5-12
0300	12 10	150 64													
00	11 59	150 54													
C-00	11 4 7														
0000	// 3 -	150 59					a j nygoni								
0700	11 28														
0800	11 28	150 59	01	10	101512	95.7	2 13				70.6.6	25,5	2.2	70	5-12
0900	11 2	150 50													
1000		170 59													
1100	11	1 = 40		-									TO THE RESIDENCE OF THE PROPERTY OF		
1200	11 19	150 30													
1300	1 4	10000												, MA	300, 1
1400		160 50	0 7	10	10122	7514	The state of the s		2		70-5-6	75,2	19	50	52.12
1500	0.5	150 10		AMPEN THE											
1,00	11 00	150 00													
1700	10	147 52													
1800		9.7													
1900		7.2		7										.074	
2000		1 1 1 2 2	07	10	101219	45.0	27		2		70-6-6	1516	6	70	
2100															
2200	7.	149 11		'			W. Territoria					2			
2300	10 20	49 01										72	1.10.25		
2400	DEMARKS.	148													

REMARKS:

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE - A.

TIME	FAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEM	P WIND S	WIND D	SHIP COURSE/SPD.
0100	16 20	J. 1												1	
0200	10 15	/ ***	03	10	1311.2	24.8	22		5		80-6-6	2519	26	50	55112
0300		6									0 0 0 0		- 3	2 0	7 2 2
. 00	17 6 6	44 17													
C-00	10 04	148 09													
0.00							The second secon								
0700	10 0 2	6 5													
0800	10 12	105	02	10	1013.6	25.3	- E. B		2		60-6-1	25.2	2.2	60	11
0900	2	26													
1000	10 75	198 67													
1100	10 46	1111 08													
1500	10 58	144 00					, p								
1300	11 00	148 08													
1400			01	10	1011.3	25,8	~ @		1		60-6-6	25.9	There Care	60	11-12
V1500		11 57.			7										
1,00	7	148 67													
1700		145 6												6	
		C2										=			
1900		148 62													
2000	13-10	148 6	00	10	1013.1	24,4	~ 0		0		60-6-6	24.8	20	80	11017
2100		14 6 6 2			1 1								The state of the s	्राज्यका प्रकार सम्बद्ध है . जी जीना ही है है है है . इस	
2200	12 27	146 02												at a second	
2300	1238	14862													
2400	DTAKATATA														
	REMARKS:														

SMITHSONIAN INSTITUTION DIVISION OF BIRDS AT SEA SURVEY CHART C

TIME	FAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	1- 59	i di G			,					1					
0200	1-3, 00	148 01	03	To the second	1013.4	23,9	70	1	3		170-6-6	24.7	1 0000	90	N=12m
0300	13	148 0													
00		142 08													
0-00	13 28	14/9 00													
೦೨೦೦		147 59													
0700	13 53	197 59													
0800	14 04	147 39	01	10	101510	24.8	<i>)</i>		-7		70-6-5	15,0	2-2	80	N-12
0900	14/11/15	197.59													
1000	2.6	117 5		-	A STATE OF THE STA										
1100	1 z 8	147 76													
1200		NE A		*	100					•					
1300	11/1 4/8	147 -			The state of the s										
1400	45,00	1471 58	02	10	1015.0	75,0	19		2		R-0-6-3	35.1	16	80	l'and
1500		197 58													
1,00	15 = 4														
1700	15 36	~ ~ ~													- consequence -
And a second sec	4.5	7 7 5													
1900	16 60.	147 57													
2000	15 60	1111	12 %	10	1016.0	24,6	19		The		80-63	34.6	16	£ 20	***
2100	43		PIC.										To serve the serve	Company and a lost of the st	
2200	1 = 1														
2300	, , , , , , , , , , , , , , , , , , , ,	147 53				1 2 2 2									
2400	L.	1075			The second secon								.1		
	REMARKS:														

REMARKS:

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE

	7 V m	TONG		O TIT	OI D			TITTA d	DT CIST		TIATER			TITTO	
TIME	FAT	LONG	PRES WEA	VIS	SLP	DKI R	DEM P'I'	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	, MTND 2	WIND D	SHIP COURSE/SPD.
0100	1652	1								1					
0200	17 05	19-5	00	10	10/6,2	7-1-8	19		6		80-6-3	247	16	80	13 13
0300	1	1.177.187													
00		1,													
C-00	1	147 "													The second secon
0000		140 68													
0700		149 58				#3.4% * CC									
0800	118 61	· ····································	03	10	1018.2	23,8	19		6		80-6-5	23.3	1 1	80	1 600
0900		777													
1000															
1100	11 40	19 = = 9													
1200				<i>b</i> 4				and tour			1				
1300	19 00														
1400	Maria -		01	10	1016,9	型 好, 原	20		el		80-603	-23.6	10.	110	N/ 12
1500	1	1-1-7													
1,00		1													
1700	119 40			• • • • • • • • • • • • • • • • • • • •		10-7 A-A								e	
1800		/										•			
1900		19256													
2000		147 5	01	10	1019,4	2-3.6	18			4 mil 10	80-6-3	13,6	18	90	Pol 2 Ta
2100									AND AND THE STATE OF THE STATE		2		The second section of the second		
2200	20 1	147.56													
2300							the second section of a second section is								
2400	20 47	11/2 56			The state of the s										
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REMARKS:

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE:

TIME	FAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	2059	147 -													
0200	\	147	67	10	1019.7	7. 3. 1	19	1			80-5-3	23.1	1	v ji	N-17
0300		14/													
1:00															
C-00		1.17													
0500	2 1 0 0	1-1-1													
(50700	2 2 0														
20800		197 7 3	01	10	1021.0	23,2	10		7		140-6-3	2312	COOP.	150	N-17
0900		E 15 17 E 5 9 E				Control of the Contro									
21000				-											
1100		1117													
1200	- 3 07	1 - '						100 - 200 100 100							
(31300	23 /5														
1400	2.11. 2.5	143 55	15	10	1020.2	23,7	1.8		7		80.6-3	2312	12	80	N12
1500															
11,00		11977						7.5							
1700	- 1 - 1	145 53													
1800		<b>1</b> 4115. 55					-								
1900	= 1 7														
2000	2011	147 56	01	10	1020,6	22.5	19			41 41	120.6-3	23.3	12	120	N 12
2100	Ŷ	197 56										and the second second second second	STEPPER CONTRACT	The state of the s	
2200		111- 11				0									
2300	2 2 0 0	147 66					the second survey second								
2400	12														
	REMARKS.														

REMARKS:

SMITHSONIAN INSTITUTION DIVISION OF BIRDS AT SEA SURVEY CHART C

TIME	FAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	1 5 / 2	147 59													
0200		(W) 57.	00	10	1020,1	21,6	18	!	7		120-6-3	22.5	130	120	N/2
0300		1 2 -													
00	A 10	14/8 00													
0-00		11/12/2017				and the second									
0.00	/														
10700		148 04													
0800		145 0-	03	25	1021.0	20.6	18		4		350-8-5	21,4	Jane J.	40	N 12
> 0900		5													
1000	21	6													
1100	16	113 7		79											
7 1500		47													
1300	26 03	148 5													
1400	2 5	1613	25	5	1019.8	21.8	19		7		20.0.5	22.0	R	L/ 0	561-12
1500	25 F	149 2-1													
1,00	· /	149 3 3				27 - 4.5									
1700	3	118													
1800	6	4957													
1900		7													
2000			£ 4	/ 0	1019,2	21.2	18		7		350.65	22.4	2	330	SW-12
2100		15												The second second	
2200							The second secon								
2400	25 05	50													
4-100	REMARKS:	51 09													

REMARKS:

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE Z = F

		1										T 7 A 7 7777 C				
TIME	J.AT		LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	-7 5	C	15/10/21													
0200	20		1 51 24	01	10	1018.2	21.0	19		2		40-6-5	22.4	12	50	SW12
0300	1	0	15 04													
00			1.3													
C-00	7		5													
0000	75	OH														
0700			151													
0800			11321 611	25	1/2	1019,2	203	19		8		50-6-6	-2211	23	30	61212
0900																
1000	-11-71		•/													
1100	25		US 2 19 1						Î Barrier							
1200																
1300																
1400	7.00	E 0	24	15	10	1018,4	22.2	18		7		40-8-10	7210	28	40	121 2
1500	7.		7 7	The state of the s												
1,00	2.5	DIG	17 7 47													
1700			1 0													
1800	24	5	- H													
1900	4		E'/ 13													
2000	4	54	154 24	00	10	10 190	21,8	18		6		40-8-8	221/	30	40	W-12
2100	4	gunts	1/5/170												The section of the section of	
2200	5	00	15-9 42													
2300		00	-5													
2400			155													
	ו א הדכד	ADIZC.				L										

REMARKS:

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE

TIME	FAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEME	WIND S	WIND D	SHIP COURSE/SPD.
0100	25 00	1/55 21							T						
0200	2- 01	1-5 34	00	10	1019,2	21.0	18	11	4		40-8-6	22.5	24	40	W-12
0300		155 7													
00		156 3													
0-00	200	156 12													
00UC	25 0/	150 24				The state of the s									
0700		15 37													
0800	25 00	79	02	10	1019,9	21,5	18		7		40-8-6	21,5	24	40	W.12
0900	2 -														
1000		15													
1100	2 Y 78	157 00												(All respects)	
1200	29 35														
1300	2 4 30	157 00													
1400	2419	157 00	02	5	1018.8	2212	16		8		40-8-6	22:3	16-60	40	5-12
1.500	2408	157 00		S. College Col											
1,00	2057	15659													
1700	73 46	15659													
T809	0 0 0 0	15659													
1900	23 29	156 59		-											
5000	23 72	15658	01	10	1017,2	2-211	19		7		40-8-6	2215	The same of the sa	40	5-12
2100	2 17	16 5 58.				2 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2									
2200	23 07	113638													
2300	1-2 -/	136 38													
2400	REMARKS.	136 59													

REMARKS:

SI-MNH-955c

SMITHSONIAN INSTITUTION DIVISION OF BIRDS AT SEA SURVEY CHART C

SI-MNH-955c 3-4-64 DATE

TIME	TAT		LONG	P	RES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/
0100	122	36	138 5	9													
0200	122	26	156 5	9	02	10	15/6.4		19	1			04.8-5	22.8	those form.	١.	
0300	7 7	17	1 the of	P.													
00	27	27	156 5	79													
C-00	27	59	1 7	5													
0500	15	56	157 0	3													
0700	21	50	1570	90													
0800	2-1	40	1 = 1	6	16	10	1016.6	200	20		6		06-6-5	23.3	2.2	44.3 33	5412
0900	21	31	13 10	3													
1000	21	1 3	157 3	1													
1100	21	15	1573	X													
1200	71	15	1574	2													
1300	21	15	157 5	2													
1400																	
1500					the second second second												
1,00																<i>y.</i>	
1700																	
1800																	
1900			1.5				24. ·										
2000									3.30 5		the second segretary and the second				The second second second	to the second	
2100																The second second	
2200									the state of the s								
2300	-						4 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -										
2400	1	ARKS:				i i											